394	MATCHBOOK MAKING	431	Liquid treating
395	. Methods	432	Vacuum or gas treating
396	METHODS	433	Receptacle forming
397	Applying a partial cover	434	Flexible preform cover (e.g.,
398	Partial covering of multiple		bags, pouches)
370	cans, bottles (e.g., six-pack	435	Cutting
	carrier)	436	Compacting or stretching
399	Banding	437	Agitating (e.g., vibrating or
400	.With adsorption or absorption of		jarring)
400	contents	438	Before association with cover
401	.With nonreactive packaging		material
101	materials	439	By simultaneously conveying
402	.With inhibitor		and compressing
403	.Gas filling and/or evacuating	440	Heating or cooling
	and closing	441	.Conforming by stretching or
404	With solder or wax sealing		shrinking of cover over
405	Evacuating only and closing		contents
406	With gas igniting	442	By heating
407	With steam filling	443	.Group forming of contents into a
408	Including evacuating		unit
409	.Annular package	444	Of slender rod-shaped contents
410	.Forming a cover adjunct or		(e.g., cigarette)
	application of a cover adjunct	445	Of diverse contents (e.g., can
	to a cover		and coupon)
411	Printing or protective coating	446	With orienting (e.g., turning
412	Package opening device (e.g.,		labels face out)
	tear strip)	447	Stacking upon another before
413	Handle		packaging
414	Binding string	448	Single layer forming
415	Strip, stamp, nonencircling	449	.Plural covers
	label, or space filler	450	.Enclosing contents within
416	Fastening or sealing	451	progressively formed web means
417	\ldots Applying the fastener to a	451	Vertically formed, filled, and
	gathered bag neck (e.g.,	452	sealed tubular package
	staple or clip)	452	.Forming or partial forming a
418	Sewing		receptacle and subsequent filling
419	Encircling sealing strip	453	Forming a pocket or depression
400	(e.g., adhesive tape)	4 33	in cover material by applying
420	For preformed receptacle with		heat or pressure (e.g.,
401	separate closure		stretch forming)
421	Including gasket compressing	454	Forming a capsule
422	Against side of receptacle	455	Making a pocket in web material
423	Including casting or molding		by folding and side sealing
424	Constricting closure by		(e.g., flat bag making)
40E	binding	456	Forming three-dimensional
425	.Sterilizing complete package		receptacle from web or blank
426	.Sterilizing cover only	457	Opening or setting up
427	.Skin packaging (e.g., vacuum		collapsed, preformed
	forming by conforming cover over contents)		receptacle
428	.With contents treating	458	Box, carton
420	Folding	459	Bag, tube, center-folded web
430	Winding	460	.Envelope or triangular flap fold
±00	••••		

461	.Wrapping contents including cover forming	490	By screwing closure on container
462	With slotted or scored wrapper blank	491	By folding multiple preformed flap
463	With heat sealing of wrapper	492	.Opening only
464	Cup or pouch forming about	48.1	MULTIPLE BOTTLE OR CAN CARRIER
	contents from web or blank		TYPE PACKAGE
465	Cinching or wiping around to	48.2	.Of shrinkable or memory material
	form initial wrap	48.3	.Of stretchable material
466	U-fold forming initial wrap	48.4	Continuous web
467	.Filling preformed receptacle and	48.5	.Endless loop
	closing	48.6	.Wrap
468	Opening prior to filling and	48.7	Of moving bottles or cans
	closing	48.8	Wrap of preformed blank
469	Flexible, expandable receptacle	48.9	Having means to interlock or
470	(e.g., bag, tube)	4.0	tighten
470	Aerosol container	49	BOTTLE IN SHAPED COVER OR CARTON
471	With separate closure attaching	50	PACKAGE UNFOLDING OR OPENING WITH
472	(e.g., cap or plug)		INSERTION OF ADDITIONAL
4/2	<pre>With protective media (e.g., shock absorbing)</pre>	51	CONTENTS REGISTER CONTROL
473	.Filling preformed receptacle	52	WITH MEANS RESPONSIVE TO A SENSED
474	With diverse contents	22	CONDITION
475	With successive like contents	53	.Separate delivery of incomplete
173	or layers of like contents	33	or defective package
476	.Closing package or filled	54	.Separate delivery of incomplete
	receptacle		or defective contents or
477	By heat sealing		contents group
478	Separate closure	55	.Concurrent control of contents
479	Of preformed nonfreestanding		and receptacle feeds
	<pre>container deformed by contents (e.g., bag, tube)</pre>	56	Stopped by contents, manual reset
480	Closing preformed container	57	By absence of contents
	deformed by contents	58	Triggered by presence of
481	By collapsing mouth portion		contents
	(e.g., to form single flap)	493	.Of individual contents or group
482	Folding or rolling-in		feed or delivery
483	Twisting	494	Responsive to incomplete group
484	Closing a preformed,		or subgroup (no group - no
	freestanding, rigid or semi-		feed)
	<pre>rigid container (e.g., box, carton, bottle)</pre>	495	Responsive to complete group or subgroup
485	By applying a separate	496	Responsive to the presence of
	preformed closure (e.g., lid,		only the lead article of a
	cap)		completed group
486	With receptacle deforming or	497	Plural lead articles
	shaping	498	By sensing each individual
487	With preliminary closure		article of the group or
	shaping		subgroup
488	By conforming closure to	499	Individual sensors (one for
400	container		each article in the group or
489	By plugging closure into		subgroup)
	container		

500	Single sensor for	89	Machine positioned receptacle
	successively sensing each		and/or closure
	article of the group or	90	Through lock or valve means
- 04	subgroup (e.g., counter)	91	Rotary pocket or pockets
501	By totalizing of individual	92	Common in-out
	contents	93	With separate coacting
502	By weight of contents		pockets
503	By volume of contents	94	Including closure handling
504	By dimension of contents		means
505	Responsive to presence or	95	Multiple individual receptacle
	absence of cover material		chambers
	(e.g., wrapper, receptacle,	96	Integral unit
	lid)	97	With closure assembling means
506	Responsive to absence of cover	98	Resilient hold-down
	material (no can - no fill)	99	Gravity plunger or platen
64	.Of receptacle or cover feed or	100	With drop control
	adjunct feed or application	101	Mechanically actuated plunger
65	Of marker by defective package		or platen
	component	102	With equalizer means
66	Severed length determined by	103	Atmospheric pressure
	contents size	104	With fluid system intensifier
67	Responsive to presence or	105	Flexible diaphragm
	absence of preformed	106	Pressure platen
	receptacle	107	Individual receptacle
68	With closure ejection means	108	Base contacting
69	During infeed	109	With cap lifter
70	With solenoid control means	110	.Within tunnel
71	With intermediate clutch	E 0 0	
		509	SKIN PACKAGING
72	And presence or absence of	509 111 R	
72	And presence or absence of closure	111 R	WITH CONTENTS TREATING
72 73	And presence or absence of		WITH CONTENTS TREATING .Vacuum or inert atmosphere
73	And presence or absence of closureSkip feed by absence of contents	111 R 510 511	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle forming
	And presence or absence of closureSkip feed by absence of	111 R 510 511 512	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag
73 74	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents	111 R 510 511 512 113	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping
73	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contentsOf package and filled receptacle	111 R 510 511 512 113 114	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing
73 74	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents	111 R 510 511 512 113	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting
73 74	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contentsOf package and filled receptacle	111 R 510 511 512 113 114	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle
73 74 75	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or opening	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton)
73 74 75	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rolling
73 74 75 76	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rolling Sheet material or garments
73 74 75 76 77	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS	111 R 510 511 512 113 114 115	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rolling Sheet material or garments Rotary winding
73 74 75 76 77 507	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR	111 R 510 511 512 113 114 115 116 117 118 119	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rolling Sheet material or garments Rotary winding Slotted or divided mandrel
73 74 75 76 77 507 508	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm	111 R 510 511 512 113 114 115 116 117 118 119 120	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doubling
73 74 75 76 77 507 508	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF	111 R 510 511 512 113 114 115 116 117 118 119 120 121	WITH CONTENTS TREATING .Vacuum or inert atmosphere .With receptacle forming .With preformed bag .Reshaping .Coil spring encasing .Cushioning material inserting means (e.g., pill bottle cotton) .Folding or rolling Sheet material or garments Rotary winding Slotted or divided mandrel Slot and blade doubling Crushing
73 74 75 76 77 507 508 79	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformation
73 74 75 76 77 507 508 79	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering means	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCutting
73 74 75 76 77 507 508 79 80 81	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit only	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible material
73 74 75 76 77 507 508 79 80 81 82	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application only	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetable
73 74 75 76 77 507 508 79 80 81 82	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confection
73 74 75 76 77 507 508 79 80 81 82 83	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish product
73 74 75 76 77 507 508 79 80 81 82 83	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton) Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary product
73 74 75 76 77 507 508 79 80 81 82 83 84	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or regulation	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518 519	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton) Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary productButter
73 74 75 76 77 507 508 79 80 81 82 83 84	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or regulation .Enclosure responsive	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary productButterFilm, sheet or weblike
73 74 75 76 77 507 508 79 80 81 82 83 84 85 86	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or regulation .Enclosure responsive .Within enclosure	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518 519	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton) Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary productButter
73 74 75 76 77 507 508 79 80 81 82 83 84 85 86	And presence or absence of closureSkip feed by absence of contentsTriggered by presence of contents .Of package and filled receptacle closing or openingTriggered by presence of package INTERRELATED OR SAFETY CONTROLS WITH ALARM, SIGNAL, OR INDICATOR .Visual or audible alarm GAS FILLING AND/OR EVACUATING OF RECEPTACLE AND CLOSING .Including soldering meansSolder and/or flux deposit onlyIron application onlyElectric arc or resistance type .Pressure responsive and/or regulation .Enclosure responsive .Within enclosureWith screen or graduated	111 R 510 511 512 113 114 115 116 117 118 119 120 121 122 513 514 515 516 517 518 519	WITH CONTENTS TREATING .Vacuum or inert atmosphereWith receptacle formingWith preformed bag .ReshapingCoil spring encasingCushioning material inserting means (e.g., pill bottle cotton)Folding or rollingSheet material or garmentsRotary windingSlotted or divided mandrelSlot and blade doublingCrushingMolding or plastic deformationCuttingFood or edible materialFruit or vegetableBread, pastry, or confectionMeat or fish productDiary productButterFilm, sheet or weblike

521	Stuffing (e.g., mattress ticking)	134.1	.Adjunct comprising graspable appendage, e.g., handle
522	Strand, tube, or rodlike	134.2	For permeable package, e.g.,
	material (e.g., drinking	125 1	tea bag
523	straw)	135.1	.Adjunct comprising nonencircling
	Compacting or stretching		strip, e.g., stamp, label or
524	Mattress filling	125 2	gap filler
525	By agitation	135.2	Applied to cover material
526	Compressing with or through	125 2	before packaging
505	cover	135.3	Applied to continuous web
527	Compressing contents within	126 1	material
500	preformed receptacle	136.1	Applied to package
528	Compressing while engaging	136.2	Applied to end of roll
F00	contents with wrapper or band	136.3	To seal package
529	Compressing before packaging	136.4	Box
530	Through restricted passage	136.5	Bag
127	.Heating or cooling	137.1	.Adjunct comprising bottle hood
111 RC	.With reactive chemical		securing means
128.1	WITH COVER-ADJUNCT APPLICATION OR	137.2	.Adjunct comprising package
	FORMATION		encircling sealing strip
129.1	.Adjunct comprising packing disk,	138.1	.Adjunct comprising provision to
	sealing gasket, or "spot"		secure cover
	applied to a closure	138.2	Staple or clip
130.1	.Adjunct comprising closure	138.3	Bag closing
	retainer seated into and	138.4	Deformed staple or clip
	depressed with portion of	138.5	Adjunct comprising sewn seam
	bottle hood	138.6	Tie string or wire
131.1	.Adjunct comprising protective	138.7	Bag closing
	coating	138.8	Twisting of string or wire
131.2	.By printing	139.1	Bag banding
131.3	On cover having separate	139.2	Reclosable, e.g., ziplock (TM)
	closure or on such a separate		or with valve
	closure	139.4	.Adjunct comprising string or
131.4	Before or during packaging		wire
131.5	On continuous web	139.5	.Adjunct comprising means to
132.1	.Adjunct comprising lever		protect contents, e.g.,
	actuated to constrict passage		padding or spacer
	of contents into package	139.6	To protect contents from binder
133.1	.Adjunct comprising provision to	139.7	Adjunct comprising edge
	allow access to contents,		protector
	e.g., spout, straw, drain,	140	WITH COVER MATERIAL PRODUCTION
122.0	opening, etc.	141	WITH FUGITIVE PRECONDITIONING OF
133.2	Fitment to dispense flowable		COVER MATERIAL
122 2	contents, e.g., spout	142	TAPERED OR HEADED ARTICLES
133.3	Adjunct comprising provision to	143	.Inverting one or more units
	open package	144	Receptacle reversing
133.4	Reclosable	145	FACING (E.G., FRUITS AND
133.5	Tear string or tape under		VEGETABLES)
422.5	cover	146	.Variable contour facing plate
133.6	Cover weakened for tearing	147	GROUP FORMING OF CONTENTS UNIT
133.7	With graspable tab on cover		AND SUBSEQUENT OR FURTHER
405 -	or adjunct		PACKAGING
133.8	Cover weakened for tearing,	148	.Long slender articles (e.g.,
	e.g., having integral tear		cigarettes)
	strip		

149	Adjacent rows of unequal	173	.Filling preformed receptacle and
	numbers		subsequent covering
150	Superposing rows	174	.Wrapping and subsequent filling
151	Hopper with multiple channeled		of preformed receptacle
	outlet	175	.Lining preformed receptacle
152	.Formed in vertically spaced ways	176	.At least one layer a band
	and simultaneously removed	545	PROGRESSIVELY SEAMED COVER WEB OR
153	Plural groups		WEB FOLDS
154	.From plural or different supply	546	.Multirow
	sources	547	.With package severing and
155	Diverse forms or shapes of	-	subsequent closing of severed
	units		end
156	Package reinforcing sheet or	548	.With closing of web between
130	trough	010	package units
157	Insert or separating sheet	549	By twisting
158	Joined receptacle or pockets	550	Longitudinal tube formed from
531		330	single web
532	Layer, stack, or column	551	Vertically disposed tube
532	Assembling, gathering, and	552	
	stacking coins or similar disclike articles		Concurrent severing
F22		553	Plural webs
533	Assembling sticks of chewing	554	Vertically disposed tube
504	gum	555	Simultaneously longitudinal
534	Receptacle advances as row		and transverse seaming
	groups are deposited therein	556	APPARATUS FOR CONTRACTION OF
535	Lowered support or raised wall		COVER BY STRETCHING OR
536	Within receptacle		SHRINKING
537	Forming successive coplanar	557	.By heat shrinking
	layers and depositing in cover	558	APPARATUS FOR FORMING OR
	layers and depositing in cover means	558	APPARATUS FOR FORMING OR PARTIALLY FORMING RECEPTACLE
538			
538	means	558 559	PARTIALLY FORMING RECEPTACLE
538 539	meansVarying strokes of depositing		PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING
	<pre>meansVarying strokes of depositing means</pre>		PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING .Forming a pocket, depression, or
	<pre>meansVarying strokes of depositing meansSimultaneous deposit to fill</pre>		PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING .Forming a pocket, depression, or hollow compartment by
539	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacle	559	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING .Forming a pocket, depression, or hollow compartment by application of heat or
539	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group		PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING .Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch
539 540	 means Varying strokes of depositing means Simultaneous deposit to fill compartmented receptacle Stacking one article or group of articles upon another 	559	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING .Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming)
539 540	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the	559 560 561	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING .Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming)Capsule
539540541	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottom	559 560	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a
539540541	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationship	559 560 561	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container
539540541542	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally	559 560 561	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by
539540541542	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationship	559 560 561	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing
539540541542	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising	559 560 561 562	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making)
539540541542543	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of	559 560 561 562	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a
539540541542543544	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group	559 560 561 562	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing
539540541542543544167	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED	559 560 561 562 563	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling
539540541542543544	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF	559 560 561 562 563	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up
539540541542543544167	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED	559 560 561 562 563	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle
539540541542543544167168	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS	559 560 561 562 563	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle Gable-top carton (e.g., milk carton)
539540541542543544167	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE	559 560 561 562 563 564 565	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle Gable-top carton (e.g., milk
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539 540 541 542 543 544 167 168	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE	559 560 561 562 563 564 565 566	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle Gable-top carton (e.g., milk carton) Horizontally loaded box or carton Flexible tubular stock -
539 540 541 542 543 544 167 168 169 170 171	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL .Plural packages in outer cover	559 560 561 562 563 564 565 566 567	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle Gable-top carton (e.g., milk carton) Horizontally loaded box or carton Flexible tubular stock - preformed continuous tube
539 540 541 542 543 544 167 168	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL .Plural packages in outer cover .Concurrently formed with multi-	559 560 561 562 563 564 565 566	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle Gable-top carton (e.g., milk carton) Horizontally loaded box or carton Flexible tubular stock - preformed continuous tube Longitudinally prefolded web
539 540 541 542 543 544 167 168 169 170 171	meansVarying strokes of depositing meansSimultaneous deposit to fill compartmented receptacleStacking one article or group of articles upon anotherBuilding up the stack from the bottomGrouping articles on edge in a linear relationshipForming single generally horizontal groups comprising plural rows and columnsOrienting one or more units of the group COMBINED SELECTIVE OR ALTERNATE SUPPLY OF PLURAL COVERS AND/OR PLURAL CONTENTS SLIDING TRAY AND SHELL TYPE PACKAGE PLURAL LAYER PACKAGE MATERIAL .Plural packages in outer cover	559 560 561 562 563 564 565 566 567	PARTIALLY FORMING RECEPTACLE AND SUBSEQUENTLY FILLING Forming a pocket, depression, or hollow compartment by application of heat or pressure (e.g., stretch forming) Capsule Molding or extruding a container Forming a pocket or pouch by folding and side sealing (e.g., flat bag making) Forming a receptacle around a mandrel or former and removing therefrom prior to filling Forming by opening or setting up collapsed receptacle Gable-top carton (e.g., milk carton) Horizontally loaded box or carton Flexible tubular stock - preformed continuous tube

570	Bag or sack	215	Apron type
571	Magazine	216	Rolling movement
572	Filled before removal from	217	With end twisting
	magazine	218	.Fixed package support during
573	Combined extractor and opener		wrapping
574	.Forming receptacles whereby the	219	Hand manipulated type
374	receptacle is subsequently	220	.Cover-wiping passage or pocket
	filled while on the forming	220	for initial wrap
	means	201	-
E7E		221	Cup- or pouch-forming initial
575	Hollow forming mandrel or		wrap
	plunger	222	Four-sided corner flap forming
576	Tubular receptacle stored on		chute or pocket
	mandrel	223	Package advanced through
577	Gathered mouth receptacle		succeeding fold chute
578	External former	224	Package advanced by folding
579	Former mounted on conveying		carrier
	means	225	Rotary turret or carrier
580	PARTIAL COVER APPLICATION	226	With end crimper or in-folder
581	.Spindle or core	227	With end twister
582	.Band or tube	228	U-fold forming initial wrap
583	Bag neck banding	229	Outturned longitudinal seam
584	Cigar banding	230	Package advanced through
585	Preformed tube	250	succeeding fold chute
586	U-fold forming initial banding	231	Via intermediate non-folding
587	g g	231	
	Applied by rotation of contents	020	carrier
588	Applied by rotation of band	232	Package advanced by folding
589	Applied by guiding band end	000	carrier
	about contents	233	Continuously moving carrier
590	Applied by manipulating opposed	234	Rotary turret or carrier
	band ends about contents	234 235	Rotary turret or carrier DEPOSITING ARTICLES AND ARRANGING
591		_	-
	band ends about contentsApplied about series contentsApplied by manual operation	_	DEPOSITING ARTICLES AND ARRANGING
591	band ends about contentsApplied about series contents	_	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED
591 592	band ends about contentsApplied about series contentsApplied by manual operation	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES
591 592	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g.,
591 592	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches)
591 592 593	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band)	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or
591 592 593	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or	235	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single
591 592 593 594	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop)	235236237	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacle
591 592 593 594 201	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE	235236237	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of
591 592 593 594 201 202 203	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES	235236237238239	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of units
591 592 593 594 201 202 203 204	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package	235 236 237 238 239 240	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations
591 592 593 594 201 202 203 204 205	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material	235236237238239	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through
591 592 593 594 201 202 203 204 205 206	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type	235 236 237 238 239 240	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment
591 592 593 594 201 202 203 204 205	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover	235 236 237 238 239 240 241	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers)
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanks	235 236 237 238 239 240 241	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom filling
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting	235 236 237 238 239 240 241 242 243	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover
591 592 593 594 201 202 203 204 205 206 207	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents	235 236 237 238 239 240 241 242 243 244	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articles
591 592 593 594 201 202 203 204 205 206 207 208 209	band ends about contentsApplied about series contentsApplied by manual operationEnd or band interleaved with contents (e.g., book or magazine band) .Uncovered reduced projection or handle (e.g., lollypop) CONVERTIBLE PLURAL LINE PACKAGING WRAPPING MACHINES .Annular package .Granular contents material .Packet or envelope type .Notched or corner-slit cover blanksWith cover notching or slitting .Prepositioned cover and contents transported to wrapping means	235 236 237 238 239 240 241 242 243 244 245	DEPOSITING ARTICLES AND ARRANGING MATERIAL IN PREFORMED RECEPTACLES .Long slender articles (e.g., matches) .Plural filling stations and/or contents sources for single receptacleDiverse forms or shapes of unitsArticle and fluent materialSuccessive filling stations .Contents support extends through receptacle (e.g., garment baggers) .Bottom fillingWith turnover .Successive deposits of articlesLowered support
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250	With means to supply successive	283	Common infeed means for fill
0.51	receptacles	0.0.4	and close means
251	Contents or receptacle	284	.Opposite end closing
252	transfer between conveyers	284.2	Receptacle comprising film mount
252	By reciprocable pusher	284.3	.Receptacle comprising envelope
253	Rotary	284.4	.Means to insert X-ray film into
254	.Disc packers		and to close special
255	.Guide or inserted form or		receptacle
	support for article contents	284.5	.Rigid receptacle
256	Garment baggers	284.6	Glass receptacle, e.g., ampoule
257	With size adjusting means	284.7	.Receptacle comprising bag
258	With injector (e.g., filling	285	CLOSING PACKAGES AND FILLED
	plunger)		RECEPTACLES
259	Endless belt	286	.Plural independently closed
260	With retractible, collapsible		covers
	or separable portion to permit	287	.Separate closure applying
	withdrawal or to dump contents	288	Cover to milk can
261	Expansible	289	With preliminary receptacle
262	Spring form		shaping
263	Receptacle divider	290	With preliminary closure
264	WITH MEANS APPLYING CLOSURES OF		shaping and/or treatment
	INTERNALLY STOPPERED	291	Unfolding, opening and/or
	RECEPTACLES		stretching capsules or cots
265	WITH MEANS APPLYING ATTACHED OR	292	With suction or blast
	CONNECTED CLOSURES OF BAIL	293	Removal from support by
	STOPPERED RECEPTACLES		receptacle
266.1	MEANS TO FILL AND CLOSE PREFORMED	294	Stretcher cammed by
	RECEPTACLE		receptacle
			_
267	.With compound fill-close station	295	With cot dispenser or ejector
267 268	.With compound fill-close station .With common fill-close stations	295 296	With cot dispenser or ejector
	.With common fill-close stations		With cot dispenser or ejectorCutting and/or shaping meansConcentric with or at infeed
268	-	296	Cutting and/or shaping meansConcentric with or at infeed
268	.With common fill-close stationsClosing mechanism tripped by vented air	296 297	Cutting and/or shaping meansConcentric with or at infeed of closure
268 269	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal	296297298	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only
268 269	.With common fill-close stationsClosing mechanism tripped by vented air	296 297	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or
268 269 270	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion	296 297 298 299	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or row
268269270271	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion only	296297298	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or
268 269 270	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads	296 297 298 299 300	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagement
268269270271	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and	296 297 298 299	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to
268 269 270 271 272	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)	296 297 298 299 300 301	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headers
268269270271	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to	296 297 298 299 300	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural
268 269 270 271 272	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle aperture	296 297 298 299 300 301 302	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural headers
268 269 270 271 272	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve	296 297 298 299 300 301 302 303	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbit
268 269 270 271 272 273 274	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve means	296 297 298 299 300 301 302	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply
268 269 270 271 272	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall	296 297 298 299 300 301 302 303 304	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply stack for headers
268 269 270 271 272 273 274 275	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber	296 297 298 299 300 301 302 303	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine
268 269 270 271 272 273 274	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively	296 297 298 299 300 301 302 303 304 305	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supply
268 269 270 271 272 273 274 275	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively	296 297 298 299 300 301 302 303 304	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supplyClosure delivery from supply
268 269 270 271 272 273 274 275 276	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively acting (turret)	296 297 298 299 300 301 302 303 304 305 306	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off onlyReceptacle delivery by case or rowWith receptacle support and/or feed by shoulder engagementReceptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supplyClosure delivery from supply into or below bottom of header
268 269 270 271 272 273 274 275 276	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively acting (turret)Planetating or epicyclic orbit	296 297 298 299 300 301 302 303 304 305	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headersSequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supplyClosure delivery from supply into or below bottom of headerClosure delivery into
268 269 270 271 272 273 274 275 276	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively acting (turret)Planetating or epicyclic orbitConcentric orbits	296 297 298 299 300 301 302 303 304 305 306 307	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headers .Sequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supplyClosure delivery from supply into or below bottom of headerClosure delivery into inverting header
268 269 270 271 272 273 274 275 276	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively acting (turret)Planetating or epicyclic orbitConcentric orbitsPlural axes	296 297 298 299 300 301 302 303 304 305 306	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headers .Sequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supplyClosure delivery from supply into or below bottom of headerClosure delivery into inverting headerTurret supporting closure
268 269 270 271 272 273 274 275 276 277 278 279 280	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively acting (turret)Planetating or epicyclic orbitConcentric orbitsPlural axesCommon infeed means	296 297 298 299 300 301 302 303 304 305 306 307 308	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headers .Sequentially acting plural headersIn vertical orbitWith single closure supply stack for headers .By hand operation with magazine supply .Closure delivery from supply into or below bottom of headerClosure delivery into inverting headerTurret supporting closure below header
268 269 270 271 272 273 274 275 276	.With common fill-close stationsClosing mechanism tripped by vented airClosure release by withdrawal of fill means or receptacleUnidirectional infeed motion onlyTurret mounted (plural heads rotatively indexing and progressively acting)Swivel or slide relation to receptacle apertureIncluding closure port valve meansClosure within or forming wall of pressure chamber .Diverse heads rotatively indexing and progressively acting (turret)Planetating or epicyclic orbitConcentric orbitsPlural axes	296 297 298 299 300 301 302 303 304 305 306 307	Cutting and/or shaping meansConcentric with or at infeed of closureBlank cut-off only .Receptacle delivery by case or row .With receptacle support and/or feed by shoulder engagement .Receptacle delivery to alternately acting headers .Sequentially acting plural headersIn vertical orbitWith single closure supply stack for headersBy hand operation with magazine supplyClosure delivery from supply into or below bottom of headerClosure delivery into inverting headerTurret supporting closure

310	Closure delivery from supply	346	Split or two part die
	laterally into header	347	Helical spring
311	Closure at infeed normal to	348	Fluid pressure actuated
	closure in stack	349	Rotary cam
312	Horizontal infeed	350	Toggle
313	Closure selected by moving	351	Axial cam
	receptacle	352	Convex
314	With subsequent securing	353	Radially reciprocating jaws
315	With wiper or leveler means	354	Bell crank
316	Roller	355	Biased for deformation
317	Screw or lug closure applying	356	Split or spring collet type
	means	357	Resilient annulus
318	With reverse rotation means	358	Helical spring
319	Closure inserting means	359	Filler or forcer
320	With vent means	360	Reverse flex of resilient
321	Closure flexing means		element
	(straightening or buckling)	361	Fluid pressure or resilient
322	With closure guide withdrawal		element
	means	362	Confined elastomer block
323	Receptacle push-off means	363	With handle
324	Closure compressing means	364	Second class lever mounted
325	Roller	365	Toggle mounted
326	Sliding segment die	366	By crimping of receptacle
327	Pivoted segment die	367	Orienting or aligning means
328	Plunger structure	368	With height compensating means
329	Closure securing means	3 0 0	and/or package ejection means
329.2	Heated securing means	369	With package ejection means
329.3	Adapted to engage flange		only
	(e.g., outturned seam) of	370	.Twisters
	package cover	370.2	.Including provision for pleat of
329.4	With means to advance	370.2	cover overhang
	package during securing	370.3	With means to apply adhesive
329.5	With means to trim excess	370.4	With means to trim excess cover
	cover	370.5	And means to advance package
330	Internal	370.3	during closing
331	Thread and crimp	370.6	With means to engage cover at
331.5	Screw or lug type	370.0	spaced points and move
332	Reverse closure flexing or		together to form pleat
332	turn-back means	370.7	With means to heat or cool seam
333	Repeated on different portions	370.8	Spaced from cover during
333	of same closure	370.0	heating or cooling
334	Rotary tool or die	370.9	Comprising means to force
335	With centrifugal means	370.3	heated fluid to contact cover
336	Cam release	371.2	Having nonplanar sealing
337	Centrifugal release	371.2	surface
338	Planetating	371.3	With means to advance package
339	Axially rocking	371.3	during closing
340	Radial, rocking or axial	371.4	Closing means comprising
210	pivot	J / I • I	roller or roller-like member
341	Die	371.5	Closing means moving with
342	With closure support	211.3	package during closing
342	Magnetic	371.6	And moving perpendicularly
344	Sectional	211.0	to package movement during
344			closing
343	With resilient faces		CIUBILI

371.7	Including provision for pleat and fold of cover	375.2	With means to fold cover after closing
371.8	With package stationary during	375.3	Means to cool seam
	closing	375.4	With means to advance package
371.9	Pivoted means to close cover		during closing
372.2	Including provision for pleat	375.5	With means to fold cover after
	and fold of cover		closing
372.3	Means to cool seam	375.6	With package stationary during
372.4	With means to advance package		closing
	during closing	375.7	With means to fold package
372.5	Including provision for pleat		cover after closing
	and fold of cover	375.8	.By means adapted to engage
372.6	With package stationary during		overlapped seam
	closing	375.9	With means to heat or cool seam
372.7	Including provision for pleat	376.2	With means to advance package
	and fold of cover		during closing
372.8	To serially pleat cover	376.3	.Package or receptacle having
	overhang		closure flap, e.g., carton
372.9	Including means to rotate		flap, box lid, etc.
	package or pleating means	376.4	Multiple closure flaps
	during pleating	376.5	With means to apply adhesive
373.2	.By means adapted to engage	376.6	With means to heat or cool
	outturned seam of package		flap
272 2	cover	376.7	With means to advance package
373.3	With means to apply adhesive to	276.0	during closing
272 4	seam	376.8	With package stationary
373.4	With means to trim excess from	277 0	during closing
373.5	Cover	377.2	With means to advance package
3/3.3	With means to advance package during closing	277 2	during closing
373.6	With means to engage cover at	377.3	With package stationary during
373.0	spaced points and move apart	377.4	closingWith means to apply adhesive
	to flatten seam	377.5	Tucked inside cover
373.7	With means to heat or cool seam	377.6	Attached flap
373.8	Spaced from cover during	377.7	With means to heat or cool flap
	heating or cooling	377.8	With means to advance package
373.9	Comprising means to force	377.0	during closing
	heated fluid to contact cover	378.3	With means to advance package
374.2	With nonplanar sealing surface	3,0.3	during closing
374.3	With means to advance package	381.1	MEANS TO OPEN OR ERECT RECEPTACLE
	during closing	381.2	.With cutting means
374.4	Closing means comprising	381.3	To open envelope
	roller or roller-like member	381.4	.Means to remove separate closure
374.5	Closing means moving with	381.5	.Means to open envelope
	package during closing	381.6	Including means to apply
374.6	And moving perpendicularly		suction to grip envelope
	to package movement during	381.7	Means to open flap
	closing	382.1	.Means to open flap, e.g.,
374.7	With means to fold cover		carton, flap, box lid, etc.
0.7.4.	after closing	382.2	Means to fold flap about line
374.8	With package stationary during		perpendicular to receptacle
20.4	closing		movement
374.9	Pivoted means to close	382.3	And means to fold another flap
	package		about line parallel to
			receptacle movement

CLASS 53 PACKAGE MAKING

383.1	.With means to apply adhesive
384.1	.Means to open bag
385.1	Including means to apply air
	blast
386.1	Including means to apply
	suction
387.1	MEANS TO HOLD FLAP
387.2	.While package is moving
387.3	With means to heat or cool flap
387.4	.With means to heat or cool flap
389.1	MEANS TO FEED COVER MATERIAL
389.2	.Continuous web cover material
389.3	With cutter
389.4	Roller or roller-like feeder
389.5	Comprising endless belt
390	AIDS TO MANUAL PACKING
391	.Power-driven conveyor
392	.Receptacle inversion
393	MISCELLANEOUS

CROSS-REFERENCE ART COLLECTIONS

900 CAPSULES

53 - 10

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG	1	BACON AND FRANKS PACKAGING
DIG	2	HIGH FREQUENCY ELECTRIC SEALING
DIG	3	SEALING ELECTRON TUBES