

1	WITH MEASURING, TESTING OR INSPECTING	38	..Organic material
2	.Of temperature or pressure	39	WITH DISPARATE PHYSICAL SEPARATION
3	.Of concentration	40	.Of entrained particles from a vapor or gas
4	INCLUDING PURGING OF THE SYSTEM	41	.Utilizing solid sorbent
5	SEPARATING ISOTOPES OR TAUTOMERS	42	.Utilizing liquid sorption of component from gas or vapor
6	ADDITION OF MATERIAL TO DISTILLAND TO INHIBIT OR PREVENT REACTION OR TO STABILIZE	43	.Utilizing liquid-liquid extracting of distillation product
7	.For scale inhibiting or corrosion preventing	44	..Of distillate
8	.For inhibiting or preventing a polymerization reaction	45	...And distilling raffinate phase
9	..Of unsaturated hydrocarbon	46	...And distilling extractant phase
10	WATER PURIFICATION ONLY	47	.Utilizing removing solid from liquid
11	.Under pressure or vacuum	48	..By crystallizing
12	DISTILLING TO SEPARATE OR REMOVE ONLY WATER	49	CONVECTIVE DISTILLATION WITH NORMALLY GASEOUS MEDIUM, E.G., AIR
13	.From nitric acid	50	ADDING MATERIAL TO DISTILLAND EXCEPT WATER OR STEAM PER SE
14	.From organic compound	51	.At least two materials
15	..Organic acid	52	..Mixtures of hydrocarbons
16	...Acetic	53	..One material is water
17	..Aldehyde or ketone	54	...A second material is aldehyde or ketone
18	..Alcohol	55	...A second material is an alcohol
19	...Ethanol	56	..One additive an alcohol or ether
20	INCLUDING DEFOAMING OR INHIBITING FOAM	57	.Organic compound
21	AND RECOVERING HEAT BY INDIRECT HEAT EXCHANGE	58	..Heterocyclic
22	.Utilizing recovered heat for heating feed	59	..Amine
23	..Distillation residue as heat source	60	..Ester
24	..Compressed vapor as heat source	61	..Acid
25	.Utilizing recovered heat for heating the distillation zone	62	..Aldehyde or ketone
26	..Compressed vapor as heat source	63	..Alcohol or ether
27	.Utilizing recovered heat in subsequent step in process	64	...Polyhydroxy alcohol or ether derivative thereof
28	WITH CHEMICAL REACTION	65	...Hydroxy aromatic (e.g., Phenol)
29	.Including step of adding catalyst or reacting material	66	...Methanol
30	..For polymerizing unwanted component	67	..Halogenated hydrocarbon
31	..Oxidizing material	68	..Hydrocarbon
32	..Reducing material	69	...Aromatic
33	..Inorganic salt containing oxygen in the anion	70	...Acyclic
34	..Acid	71	PLURAL DISTILLATIONS PERFORMED ON SAME MATERIAL
35	...Phosphoric or sulfuric acid	72	.One a filming distillation
36	..Alkaline oxide or hydroxide	73	.One a distillation under positive pressure or vacuum
37	...Alkali metal hydroxide		

74	..Distillation of initial distillate	98	AND RETURNING PRODUCT OF DISTILLATION STEP TO DISTILLATION ZONE
75	...And return of distillation product to a previous distillation zone	99	MISCELLANEOUS SEPARATORY
76	...Including the addition of water or steam		
77	..Initial distillation under positive pressure or vacuum		<u>CROSS-REFERENCE ART COLLECTIONS</u>
78	..And returning distillation product to a previous distillation zone	100	PARTICULAR TYPE OF HEATING
79	..Including the addition of water or steam		
80	..Initial distillation under positive pressure or vacuum		<u>FOREIGN ART COLLECTIONS</u>
81	.Distillation of initial distillate	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
82	..And returning distillation product to a previous distillation zone		
83	..Including the addition of water or steam		<u>DIGESTS</u>
84	.And returning distillation product to a previous distillation zone	DIG 1	SOLAR STILL
85	..Including the addition of water or steam	DIG 2	LABORATORY DISTILLATION
86	DISTILLATION IN APPARATUS OR ELEMENT OF SPECIFIC MATERIAL	DIG 3	ACRYLONITRILE
87	WITH FRACTIONAL CONDENSATION OF VAPOR OUTSIDE STILL	DIG 4	HEAT PUMP
88	FLASH VAPORIZATION OF DISTILLAND	DIG 5	HUMAN WASTE
89	FILMING OF DISTILLAND FOR VAPORIZATION	DIG 6	REACTOR-DISTILLATION
90	SPRAYING OF DISTILLAND INTO VAPORIZATION ZONE	DIG 7	START UP OR SHUT DOWN
91	VAPORIZATION ZONE UNDER POSITIVE PRESSURE OR VACUUM	DIG 8	WASTE HEAT
92	..Including the addition of water or steam	DIG 9	PLURAL FEED
93	..And returning product of distillation step to distillation zone	DIG 10	VINYL ACETATE
94	.And returning product of distillation step to distillation zone	DIG 11	BATCH DISTILLATION
95	INCLUDING ADDITION OF WATER OR STEAM	DIG 13	SPIRITS
96	.To distillation column	DIG 14	EJECTOR-EDUCTOR
97	.And returning product of distillation step to distillation zone	DIG 16	COMBINATION
		DIG 17	SALINE WATER CONVERSION
		DIG 18	CONTROL
		DIG 19	SIDESTREAM
		DIG 20	POWER PLANT
		DIG 21	ACRYLIC ACID OR ESTER
		DIG 22	ACCESSORIES
		DIG 23	METHANOL
		DIG 24	MOBILE, MARINE DISTILLER
		DIG 25	NON-DISTILLING BOTTOMS TREATMENT