225		245	.Specific pattern of plural wells
335	SUBMERGED WELL	246	.Using microorganisms
336	.Testing	247	.Nuclear energy or radioactivity
337	For leak	247	for treating
338	.Connection or disconnection of	248	.Electric current or electrical
	submerged members remotely	240	wave energy through earth for
220	controlled		treating
339	With provision for removal or	249	.Vibrating the earth or material
	repositioning of member	213	in or being placed in the
	without removal of other well structure		earth pores
340	Disconnection	250.01	.With indicating, testing,
341			measuring or locating
341	With orienting or aligning of member for connection	251.1	Including in situ combustion
342		252.1	Including production of earth
342	Including removable, member		fluid by driving fluid
343	mounted guide	252.2	Residual oil or oil saturation
343	Including means to pull member into position	252.3	Salinity or acidity
344	-	252.4	Flood front
344	Connection to provide fluid flow path	252.5	Permeability or viscosity
345	Connection of riser-and-tubing	252.6	And tracing material
343	assembly to other structure	253.1	Indicating the location,
346	Yieldable tubing		presence, or absence of cement
347	Connection of lateral flow	254.1	Determining position of earth
	line		zone or marker
348	Connection of pipe hanging	254.2	Well logging
349	Connection of guide means	255.1	Determining position of object
350	.Submerged, buoyant wellhead or		in well
	riser	255.2	Tool orienting
351	.Means removably connected to	255.3	Using whipstock
	permanent well structure	250.02	Permeability determining
352	Surface vessel	250.03	Determining fluid interface or
353	Having means to move vessel to		fluid level
	precise location	250.04	Plug indicating or releasing
354	Having means to hold vessel at	250.05	Scale or corrosion
	given location (e.g., anchor,		determination
	etc.)	250.06	Steam quality
355	With means to compensate for	250.07	Bottom hole pressure
	vessel movement	250.08	Leak testing or locating
356	Means to provide protective	250.09	Impression means
	environment for operative	250.1	Fracturing characteristic
	access below surface of water	250.11	Holder for coupon or sensor
357	Separator	250.12	Tracer
358	Drilling means	250.13	Determining stuck point
359	Removable riser	250.14	Of cementing or plugging
360	Well component assembly means	050 45	technique
361	Pipe cutting means	250.15	Automatic control for
363	.With safety or emergency shutoff	050 46	production
364	.Including disaster feature	250.16	Prospecting
365	.With provision for disassembly	250.17	Including testing or treating
366	.Multiple wells		tool having at least one
367	Riser	256	actuatable packer .In situ combustion
368	.Wellhead	200	.III SICU COMBUSCIOII
244.1	PROCESSES		

257	Injecting while producing by in situ combustion from same well	263	.Cyclic injection then production of a single well
258	Plural distinct superimposed formations	276	.Providing porous mass of adhered filter material in well
259	Including fracturing or	277	Repairing object in well
233	attacking formation	278	.Graveling or filter forming
260	Injecting specific fuel or	279	.Material placed in pores of
200	catalyst for burning into	273	formation to treat resident
	formation		fluid flowing into well
261	Injecting specific material	280.1	.Specific propping feature (EPO)
201	other than oxygen into	280.2	Composition of proppant (EPO)
	formation	281	.Separate steps of (1) cementing,
262	Solid fuel or particles in well	201	plugging or consolidating and
264	.Sampling well fluid		(2) fracturing or attacking
265	.Separating material entering		formation
	well	282	.Specific low fluid loss feature
266	Injection and producing wells		for fluid attacking formation
267	Separating outside of well	283	.Specific low fluid loss feature
268	.Distinct, separate injection and		for fracturing fluid or cement
	producing wells		causes fracture
270	Injecting a composition to	284	.Fluid flow causes pellet to
	adjust the permeability (e.g.,		block opening in wall of
	selective plugging)		conduit
270.1	Injecting a composition	285	.Cementing, plugging or
	including a surfactant or		consolidating
	cosurfactant	286	Tamping, vibrating, exploding
270.2	Nonaqueous type		or using receptacle
400	Sequentially injected separate fluids (e.g., slugs)	287	Removable molding or forming means
401	Injecting a gas or gas mixture	288	Including heating
402	CO2 or carbonated gas	289	Discharging cement from casing
403	In combination with		at different levels
	additional organic material	290	By tubing which is subsequently
	(e.g., alkyls, carbon chains)		lifted
272.1	Involving the step of heating	291	With piston separator
272.2	In association with fracturing	292	Using specific materials
	or crevice forming processes	293	Cement or consolidating
272.3	Steam as drive fluid		material contains inorganic
272.4	In combination with alkyls or		water settable and organic
	carbon chains	0.0.4	ingredients
272.5	With override zone,	294	Cement or consolidating
	diverting, or path blocking		material is organic or has
070 6	operation	295	organic ingredient
272.6	Liquid material injected	233	Organic material is resin or resinous
272.7	Horizontal well	296	Preventing flow into strainer
271	Including fracturing or	290	while lowering by blocking
260	attacking formationFluid injected from		openings
269	3	297	.Perforating, weakening, bending
	longitudinally spaced locations in injection well		or separating pipe at an
275	Injected fluid comprises water		unprepared point
<u> </u>	and material other than	298	Perforating, weakening or
	inorganic gas	= =	separating by mechanical means
			or abrasive fluid

299	.With explosion or breaking	382	Providing support for well part
299	container to implode	302	(e.g., hanger or anchor)
300	.Chemical inter-reaction of two	383	By fluid driven piston
	or more introduced materials	384	With bending of tubing
	(e.g., selective plugging or	385	Flexible cable or wire
	surfactant)	386	Fluid flow control member
301	.Freeing stuck object, grappling		(e.g., plug or valve)
	or fishing in well	387	With sealing feature (e.g.,
302	.Heating, cooling or insulating		packer)
303	Placing preheated fluid into	50	WELLS WITH LATERAL CONDUITS
	formation	51	MEANS FOR FORMING FILTER BEDS
304	.Dissolving or preventing		(E.G., GRAVEL PLACING)
	formation of solid oil deposit	52	PLURAL WELLS
305.1	.Placing fluid into the formation	53	AUTOMATIC
306	Fluid enters and leaves well at	54	.Float controlled valve
	spaced zones	54.1	WITH MEANS FOR SEPARATELY PUMPING
307	Attacking formation		FROM PLURAL SOURCES IN WELL
308.1	Fracturing (EPO)	54.5	MEANS FOR CUTTING CABLE OR ROPE
308.2	Using a chemical (EPO)		BELOW GROUND
308.3	Water based composition with	54.6	.Cutting means actuated by
	inorganic material (EPO)		contacting element suspended
308.4	Oil based composition (EPO)		in well by cable or rope
308.5	Including cross-linking agent	55	MEANS FOR PERFORATING, WEAKENING,
200 6	(EPO)		BENDING OR SEPARATING PIPE AT
308.6	Foam (EPO)	F.F. 4	AN UNPREPARED POINT
309	.Producing foam or gas in well by	55.1	.With disparate below ground
	foaming or gas producing	F.F. 0	feature
210	material	55.2	.Perforating or splitting cutter
310	Entraining or incorporating	55.3	Wedge or cam actuated
	treating material in flowing earth fluid	55.6	.Cutter rotates circumferentially
311	.Cleaning or unloading well	55.7	of pipe Internal
312	Liquid introduced from well top	55.8	
313	.Parallel string or multiple	33.0	Tool moved radially by fluid pressure
313	completion well	56	SCREEN AND OUTSIDE CLEANING PIPE
369	Producing the well	57	WITH HEATING, REFRIGERATING OR
370	Including varying downhole	57	HEAT INSULATING MEANS
	pressure	58	.Fuel supply or hot billet in
371	Including non-expulsive	30	well
	material placed in well	59	.Burner in well
372	By fluid lift	60	Electrical heater in well
373	Operating valve, closure, or	61	.Heater surrounding production
	changeable restrictor in a	01	tube
	well	62	.With eduction pump or plunger in
374	Operated by fluid pressure	-	well
	controlled above ground	63	WITH EXPLOSIVE OR GAS GENERATING
375	By auxilliary fluid control		MEANS IN WELL
	line	64	WITH TIME OR DISTANCE MEASURING,
376	.Destroying or dissolving well		TEMPERATURE RESPONSIVE OR
	part		COUNTING MEANS
377	.Disassembling well part	65.1	WITH ELECTRICAL MEANS
378	.Assembling well part	66	.Indicating
379	Above ground parts	66.4	.Electrical motor (e.g., solenoid
380	Conduit		actuator)
381	.Placing or shifting well part	66.5	.Magnetic

66.6	.Valve	88.4	With hydraulic conduit or line
66.7 67	Longitudinally movable operator WITH BELOW AND ABOVE GROUND	78.1	extending through outer member .With tube rotating means (rotary
68	MODIFICATION	79.1	tables)
68.5	.Eduction pump or plunger in wellWith above ground (1) motor	79.1	.Cap having transporting means or ground support
	carried by casing or casing	80.1	.Having retractable pipe section
60	support or (2) well fluid pump		to allow closing of gate type
69	.With receptacle for insertion into well		valve or flapper valve for rod or pipe
70	.Head for tool, piston or cleaner	81.1	.Fluid catcher around pipe
. 0	(e.g., cement head)		coupling
71	.With above ground casing sinking	82.1	.Releasable seal or cleaner
	means		disengaged by projection on
72	.Above ground actuating means for	83.1	inner memberLatches releasable radially
73	below ground deviceTubing or casing actuated	03.1	inward
73 74	With below ground screen	84.1	.With seal for reciprocating
75.11	ABOVE GROUND APPARATUS		member
76.1	.Having structure for converting	84.2	Cooling fluid or grease
	from one mode of operation to	0.4. 0	supplied to seals
	another; e.g., valve to packer	84.3	Rotary blowout preventer type
77.1	.Moving tubing or cable into an	84.4	Fluid pressure actuated seals
77.2	existing wellCoiled tubing	84.5 90.1	Seal fixedly mounted to rod .With means for inserting fluid
77.3	Chain injector	JU.1	into well
77.4	Piston and cylinder	75.15	.With means for injecting solid
77.51	.With means facilitating		or particulate material into
	connecting or disconnecting		the well
	supported tubing or rod	91.1	.With flow restrictions (e.g.,
77 50	sections	92.1	chokes or beans)
77.52 77.53	With elevator detail	92.1	.Cap or head pivotably attached to tube or casing
85.1	Upper and lower slips .With assembly or disassembly	93.1	.Split cap or head
03.1	means (e.g., handling,	94.1	.Laterally adjustable cap or head
	guiding, or tool feature)	95.1	.Central valve or closure and
85.2	Pitless well adapters		lateral port
85.3	Seal or bushing insertion or	96.1	.External anchoring or bracing
0.5.4	removal	07.1	means
85.4	With blowout preventer	97.1	.With valve on cap or head
85.5 86.1	Guiding or aligning feature .Inner member anchor or seal with	75.13 75.14	.Well caps or casing heads .Suspension means
00.1	valve	75.12	.Treatment of produced fluids
86.2	Annular sealing type valve	97.5	.Parallel pipes extending along
86.3	Gate type (perpendicular to		distinct paths through
	pipe) valve		wellhead
87.1	Axially movable type valve	98	GRAPPLE AND WELL ANCHORED LIFTING
88.1	.Inner member anchor or seal with	0.0	MEANS
00 1	lateral port	99 100	WITH JUNK RETRIEVING MEANS LATERAL PROBE OR PORT SEALED
89.1 89.2	Plural inner pipes	100	AGAINST WELL WALL
07.4	Parallel pipes (as opposed to concentric)	101	PACKER OR PLUG AND PUMP OR
89.3	Having slip type hanger		PLUNGER MEANS EXERTING OUTWARD
88.2	Slip type well anchor		PRESSURE
88.3	Seal actuated with anchor	102	CONVERTIBLE

104	WITH MOTOR FOR ROTARY OR	124	Screw threaded
104	OSCILLATING MOTION	125	Radially movable latch
105	WITH EDUCTION PUMP OR PLUNGER	126	With controllable passage
105.1	.Having sediment trap or	120	between central chamber and
	deflector		space below packer
105.2	Carried by reciprocating	127	Spaced packer or plug seals
	plunger or plunger rod	128	Passage controllable by
105.3	Sediment trap formed in pumping		movement of central chamber
	chamber	129	With controllable bypass
105.4	In pump discharge flow path		outside central conduit
105.5	.Having liquid-gas separator	130	Packer expanded by upper valve
105.6	Gas fed to entrainment type pump	131	With controllable passage between central conduit and
106	.With packer or plug		space above packer or plug
107	.Receptacles	132	Portion extends beyond end of
108	Piston actuates foot valve		surrounding conduit
109	Telescoping	133	With controllable passage
110	Lateral port always below		through packer
	piston and used in well	134	Support and holddown expanding
111	Bail engaging piston rod		anchors
112	.With leak means	135	Flow stopping type, e.g., plug
113	COMBINED (E.G., WITH NON-	136	Spring set anchor
	ELECTRICAL INDICATING)	137	Spring moves anchor slip
114	CENTRAL MEMBER WITH PRE-SET		relative to wedge or cam
	PACKER OR PLUG IN SAME CONDUIT	138	Wedge or cam and friction drag
115	CENTRAL CHAMBER SEALED WITH	139	Threaded element rotated
	RESPECT TO PREPOSITIONED MODIFIED SURROUNDING CONDUIT	140	Anchor above packer or plug seal
116	.Surrounding conduit carries	141	.Sealing portion closes port
	packer or plug		between central pipe and
117	RECEPTACLE OR PART THEREOF LEFT		outside space when unexpanded
	IN WELL	142	.With controllable passage
117.5	MEANS FOR GUIDING INSERTABLE		between central chamber and
	ELEMENT LATERALLY OF WELL AXIS		space below packer
	(E.G., WHIPSTOCK)	143	Central conduit detachable
117.6	.Secured in operative position by	144	Bottom supported casing or
	movable means engaging well	4.45	screen section
445 5	conduit (e.g., anchor)	145	Bypass closing and passage
117.7	MEANS ANCHORED AGAINST ROTATION		opening to upward flow
	IN ONE CONDUIT SECTION FOR		constrained to occur simultaneously
	RELATIVELY ROTATING ANOTHER SECTION	146	Passage connects with space
179		140	below packers and continuously
118	PACKERS OR PLUGS .With expanding anchor		open passageway connects with
119	Relatively movable packers or		space between packers
	plugs	147	Passage connects with space
120	Anchor actuated by fluid pressure	148	between packer or plug seals Upwardly biased check valve and
121	Pressure transmitted by cup		means for opening or bypassing it
122	type packer or plug seal Pressure transmitted by packer	149	With passageway between central
144	or plug expanded by confined		chamber and space above packer
	fluid from central chamber,	150	Passageway controllable by
	pump, or plunger		movement of central chamber
123	With detachable setting means		

151	Passageway valve directly responsive to fluid pressure	170	BRUSHING, SCRAPING, CUTTING OR PUNCHING-TYPE CLEANERS
152	Passage controllable by	171	.Perforation cleaners
	movement of central chamber	172	.Bow spring type
180	.Adjustable over pipe or set over	173	.On tubing or casing
	prepositioned pipe	174	.Retractable on support while
181	.With detachable setting means		lowering
182	Packer or plug locked expanded	175	.Reciprocable relative to central
183	.With controllable bypass outside		member extending from well top
	central conduit	176	.On sucker rod
184	.With controllable passage	177.1	SONIC DEVICE
	between central conduit and	177.2	.With specific downhole feature
	space above packer or plug	177.3	WIPER
185	.With central conduit and fluid	177.4	CEMENTING DEVICE
	port to space outside	177.5	HYDRAULIC FRACTURING DEVICE
186	Port between sealing portions	177.6	VIBRATOR
	and bypass around	177.7	AGITATOR
187	Expanded by confined fluid from central chamber, pump or	178	WITH JAR MEANS FOR RELEASING STUCK PART
	plunger	205	SCREEN WITH VALVE, CLOSURE,
188	.Controllable passage through		CHANGEABLE RESTRICTOR OR
100	packer		PORTION REMOVABLE IN WELL
189	For non-concentric members	206	EXPANSIBLE ANCHOR OR CASING
191	Spaced sealing portions	207	.Expansible casing
192	.Flow stopping type; e.g., plug	208	.Liner hanger
193	<pre>Free falling type (e.g., dropped ball)</pre>	209	.Set by wedge or cam at any point by drop only (e.g., tubing
194	With sleeve valve		catcher)
195	.Deformable portion engages conduit restriction	210	With friction drag for setting by turning movement also
196	.Central support has shoulders	211	With spring
	expanding sealing portion, or	212	.Fluid pressure actuated
	telescopes	213	.Bowed anchor means
202	.Cup type	214	.Spring set
203	.Non-deformable type	215	Spring moves anchor slip
153	PISTONS, FLUID DRIVEN INTO WELL		relative to wedge or cam
1 - 1	(E.G., CEMENTING PLUGS)	216	.With wedge or cam and friction
154	.Surrounding conduit valve or		drag
1	closure opened by piston	217	.Expansible means translated by
155 156	.With downflow past piston		wedge or cam
156	.With stop	222	WHIRLING OR LATERAL DISCHARGE OR
157	SCREEN WITH WASHING POINT OR SHOE		PROJECTABLE NOZZLES
158	.Detachable wash pipe	223	.Rotary or projectable
162	RECEPTACLES	316	VALVES, CLOSURES OR CHANGEABLE
163	.With separate air chamber having	245	RESTRICTORS
164	openable passage	317	.Destructible element
104	.With destroyable closure and valve	318	Operated by dropped element
165	.With valved or closed top	319	.Fluid operated
166	.Valve control means contacting	320	Variably opened
	well conduit wall	321	Fluid pressure biased to open position position
167	.Bottom receiving and side	322	Retrievable
160	discharge valves	323	Locked open or closed
168	Readily releasable bottom valve		
169	.Lateral ports used in well		

324	With fluid pressure equalizing means	241.7	Removably secured by a fastener (e.g., pin) parallel to tubing
325	One way, e.g., check valve type	242.1	CONDUIT WALL OR SPECIFIC CONDUIT
326	Flexible valve element		END STRUCTURE
327	Shoes with check valve	242.2	.Flexible tube or cable
328	Loose ball closure	242.3	.Plural, parallel, nonconcentric
329	Loose ball closure with limited		conduits
	reverse flow	242.4	.Corrosion prevention or
330	.Rotated operator		deterring
331	Lug in branched slot, e.g., "J"	242.5	.Side entry
	slot	242.6	.Downhole coupling or connector
332.1	.Longitudinally movable operator	242.7	Telescopic
332.2	Having rotational movement	242.8	.Shoe detail
332.3	Ball valve type	242.9	.Brick or cement casing liner
332.4	Operated by means inserted from	243	MISCELLANEOUS (E.G., ANCHOR
	the surface		PIPES)
332.5	Valving means inserted or		
	retrieved to operate		
332.6	Having a dump or discharge type		
	means	CROSS-	REFERENCE ART COLLECTIONS
332.7	Having equalizing valve		
332.8	Flapper type	901	WELLS IN FROZEN TERRAIN
333.1	Contact with bore bottom	902	FOR INHIBITING CORROSION OR
334.1	Vertical movement of conduit		COATING
334.2	<pre>And rotational movement; e.g., ball valve-type</pre>		
334.3	Drain-type		
334.4	Fluid flow through lateral port to exterior	FOREIG	N ART COLLECTIONS
	SCREENS		
227	SCREENS		O CLACC DELAMED HODELCH DOCUMENMO
227 228	.Porous material	FOR 00	O CLASS-RELATED FOREIGN DOCUMENTS
228 229	.Porous material	Any for	O CLASS-RELATED FOREIGN DOCUMENTS eign patents or nonpatent litera- om subclasses that have been
228 229 230	.Porous material .Inserted screen plug	Any for ture fr	eign patents or nonpatent litera-
228 229	.Porous material .Inserted screen plug .Woven mesh	Any for ture fr reclass	eign patents or nonpatent litera- om subclasses that have been
228 229 230 231	.Porous material .Inserted screen plug .Woven mesh .Spiral	Any for ture fr reclass directl	eign patents or nonpatent litera- om subclasses that have been ified have been transferred
228 229 230 231	Porous material Inserted screen plug Woven mesh Spiral Uth spacing lug for adjacent	Any for ture fr reclass directl below. eign pa	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The
228 229 230 231 232	Porous material Inserted screen plug Woven mesh Spiral With spacing lug for adjacent turns	Any for ture fr reclass directl below. eign pa parenth	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection
228 229 230 231 232	Porous material Inserted screen plug Woven mesh Spiral With spacing lug for adjacent turns With perforated pipe	Any for ture fr reclass directl below. eign pa parenth titles	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses
228 229 230 231 232 233 234	Porous material Inserted screen plug Woven mesh Spiral With spacing lug for adjacent turns With perforated pipe Strip or rod	Any for ture fr reclass directl below. eign pa parenth titles	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection
228 229 230 231 232 233 234 235	Porous material Inserted screen plug Woven mesh Spiral With spacing lug for adjacent turns With perforated pipe Strip or rod Stacked annular sections	Any for ture fr reclass directl below. eign pa parenth titles	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses
228 229 230 231 232 233 234 235 236	Porous material Inserted screen plug Woven mesh Spiral With spacing lug for adjacent turns With perforated pipe Strip or rod Stacked annular sections Concentric pipes	Any for ture fr reclass directl below. eign pa parenth titles	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses
228 229 230 231 232 233 234 235 236 237	.Porous material .Inserted screen plug .Woven mesh .SpiralWith spacing lug for adjacent turnsWith perforated pipe .Strip or rod .Stacked annular sections .Concentric pipes DETENTS OR CLUTCHES .Flow permitting means bridging fluid conduit	Any for ture fr reclass directl below. eign pa parenth titles	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses
228 229 230 231 232 233 234 235 236 237 238	.Porous material .Inserted screen plug .Woven mesh .Spiral .With spacing lug for adjacent turns .With perforated pipe .Strip or rod .Stacked annular sections .Concentric pipes DETENTS OR CLUTCHES .Flow permitting means bridging fluid conduit .Operated by dropped weight	Any for ture fr reclass directl below. eign pa parenth titles from wh	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses ich these COLLECTIONS were derived
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228 229 230 231 232 233 234 235 236 237 238 239 240	.Porous material .Inserted screen plug .Woven mesh .Spiral .With spacing lug for adjacent turns .With perforated pipe .Strip or rod .Stacked annular sections .Concentric pipes DETENTS OR CLUTCHES .Flow permitting means bridging fluid conduit .Operated by dropped weight .Lug in closed branched slot	Any for ture fr reclass directl below. eign pa parenth titles from wh	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses ich these COLLECTIONS were derived PROCESSES (166/244.1) 0 .Specific propping feature for a
228 229 230 231 232 233 234 235 236 237 238 239 240 241.1	.Porous material .Inserted screen plug .Woven mesh .SpiralWith spacing lug for adjacent turnsWith perforated pipe .Strip or rod .Stacked annular sections .Concentric pipes DETENTS OR CLUTCHES .Flow permitting means bridging fluid conduit .Operated by dropped weight .Lug in closed branched slot GUIDE FOR DEVICE OR CONDUIT	Any for ture fr reclass directl below. eign pa parenth titles from wh	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses ich these COLLECTIONS were derived PROCESSES (166/244.1) O .Specific propping feature for a fracture (166/280)
228 229 230 231 232 233 234 235 236 237 238 239 240 241.1 241.2	.Porous material .Inserted screen plug .Woven mesh .SpiralWith spacing lug for adjacent turnsWith perforated pipe .Strip or rod .Stacked annular sections .Concentric pipes DETENTS OR CLUTCHES .Flow permitting means bridging fluid conduit .Operated by dropped weight .Lug in closed branched slot GUIDE FOR DEVICE OR CONDUIT .On sucker or pump rodRotatable or having a rotatable element	Any for ture fr reclass directl below. eign pa parenth titles from wh	eign patents or nonpatent litera- om subclasses that have been ified have been transferred y to the FOR Collection listed These collections contain ONLY for tents or nonpatent literature. The etical references in the collection refer to the abolished subclasses ich these COLLECTIONS were derived PROCESSES (166/244.1) O .Specific propping feature for a fracture (166/280)
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