

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C10 PETROLEUM, GAS OR COKE INDUSTRIES; TECHNICAL GASES CONTAINING CARBON MONOXIDE; FUELS; LUBRICANTS; PEAT

C10C WORKING-UP PITCH, ASPHALT, BITUMEN, TAR; PYROLIGNEOUS ACID (compositions of bituminous materials [C08L 95/00](#); carbon filaments by decomposition of organic filaments [D01F 9/14](#))

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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|-------------|--|-------------|---|
| 1/00 | Working-up tar {(petroleum (oil) tar C10C 3/00)} | 3/18 | • Removing in solid form from reaction vessels, containers and the like, e.g. by cutting out, by pressing |
| 1/005 | • {by mixing two or more coaltar fractions} | | |
| 1/02 | • Removal of water (by distillation C10C 1/06 {; de-watering of hydrocarbon oils C10G 33/00 }) | | |
| 1/04 | • by distillation | 5/00 | Production of pyroligneous acid {distillation of wood, dry distillation of organic waste}(carbonisation of wood C10B) |
| 1/06 | • . Removal of water | | |
| 1/08 | • . Winning of aromatic fractions | | |
| 1/10 | • . . benzene fraction {light fraction} | | |
| 1/12 | • . . naphthalene fraction {heavy fraction} | | |
| 1/14 | • . Winning of tar oils from tar | | |
| 1/16 | • . Winning of pitch | | |
| 1/18 | • by extraction with selective solvents (preparation of hydrocarbon oils from tar oils C10G 21/00) | | |
| 1/19 | • by thermal treatment not involving distillation | | |
| 1/20 | • Refining by chemical means {inorganic or organic compounds}(obtaining hydrocarbon oils C10G) | | |
| 1/205 | • . {refining in the presence of hydrogen} | | |
| 3/00 | Working-up pitch, asphalt, bitumen {(compositions of asphalts and other bituminous materials C08L 95/00)} | | |
| 3/002 | • {by thermal means} | | |
| 3/005 | • {by mixing several fractions (also coaltar fractions with petroleum fractions)} | | |
| 3/007 | • {winning and separation of asphalt from mixtures with aggregates, fillers and other products, e.g. winning from natural asphalt and regeneration of waste asphalt} | | |
| 3/02 | • by chemical means {reaction} | | |
| 3/023 | • . {with inorganic compounds} | | |
| 3/026 | • . {with organic compounds} | | |
| 3/04 | • . by blowing or oxidising {, e.g. air, ozone} | | |
| 3/06 | • by distillation | | |
| 3/08 | • by selective extraction | | |
| 3/10 | • Melting | | |
| 3/12 | • . Devices therefor {(transporting and melting for road construction E01C + s.gr.)} | | |
| 3/14 | • Solidifying, Disintegrating, e.g. granulating | | |
| 3/16 | • . by direct contact with liquids | | |