

# CPC COOPERATIVE PATENT CLASSIFICATION

## 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](#))

- 1/00 Working-up tar** {(petroleum (oil) tar [C10C 3/00](#))}
- 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
  - 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 bitumenous 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
  - 3/18 . Removing in solid form from reaction vessels, containers and the like, e.g. by cutting out, by pressing
- 5/00 Production of pyroligneous acid** {distillation of wood, dry distillation of organic waste} (carbonisation of wood [C10B](#))