

## SECTION C — CHEMISTRY; METALLURGY

**C10 PETROLEUM, GAS OR COKE INDUSTRIES; TECHNICAL GASES CONTAINING CARBON MONOXIDE; FUELS; LUBRICANTS; PEAT****C10K PURIFYING OR MODIFYING THE CHEMICAL COMPOSITION OF COMBUSTIBLE GASES CONTAINING CARBON MONOXIDE**

- 1/00 Purifying combustible gases containing carbon monoxide** (isolation of hydrogen from mixtures containing hydrogen and carbon monoxide C01B 3/50)
- 1/02 • Dust removal
  - 1/04 • by cooling to condense non-gaseous materials
  - 1/06 • • combined with spraying with water
  - 1/08 • by washing with liquids; Reviving the used wash liquors
  - 1/10 • • with aqueous liquids
  - 1/12 • • • alkaline-reacting
  - 1/14 • • • organic
  - 1/16 • • with non-aqueous liquids
  - 1/18 • • • hydrocarbon oils
  - 1/20 • by treating with solids; Regenerating spent purifying masses
- 1/22 • • Apparatus, e.g. dry box purifiers
  - 1/24 • • • Supporting means for the purifying material
  - 1/26 • • Regeneration of the purifying material
  - 1/28 • • Controlling the gas flow through the purifiers
  - 1/30 • • with moving purifying masses
  - 1/32 • with selectively absorptive solids, e.g. active carbon
  - 1/34 • by catalytic conversion of impurities to more readily removable materials
- 3/00 Modifying the chemical composition of combustible gases containing carbon monoxide to produce an improved fuel, e.g. one of different calorific value, which may be free from carbon monoxide**
- 3/02 • by catalytic treatment
  - 3/04 • • reducing the carbon monoxide content
  - 3/06 • by mixing with gases