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, 2006.01]**

1/02 • Dust removal **[1, 2006.01]**

1/04 • by cooling to condense non-gaseous materials **[1, 2006.01]**

1/06 • • combined with spraying with water **[1, 2006.01]**

1/08 • by washing with liquids; Reviving the used wash liquors **[1, 2006.01]**

1/10 • • with aqueous liquids **[1, 2006.01]**

1/12 • • • alkaline-reacting **[1, 2006.01]**

1/14 • • • • organic **[1, 2006.01]**

1/16 • • with non-aqueous liquids **[1, 2006.01]**

1/18 • • • hydrocarbon oils **[1, 2006.01]**

1/20 • by treating with solids; Regenerating spent purifying masses **[1, 2006.01]**

1/22 • • Apparatus, e.g. dry box purifiers **[1, 2006.01]**

1/24 • • • Supporting means for the purifying material **[1, 2006.01]**

1/26 • • Regeneration of the purifying material **[1, 2006.01]**

1/28 • • Controlling the gas flow through the purifiers **[1, 2006.01]**

1/30 • • with moving purifying masses **[1, 2006.01]**

1/32 • with selectively absorptive solids, e.g. active carbon **[1, 2006.01]**

1/34 • by catalytic conversion of impurities to more readily removable materials **[1, 2006.01]**

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 [1, 2006.01]

3/02 • by catalytic treatment **[1, 2006.01]**

3/04 • • reducing the carbon monoxide content **[1, 2006.01]**

3/06 • by mixing with gases **[1, 2006.01]**