

Title (en)

PROCESS FOR THE SEPARATION OF PHENOLS AND BASES FROM COAL TAR OILS BY EXTRACTION

Publication

**EP 0241636 B1 19900926 (DE)**

Application

**EP 87100269 A 19870112**

Priority

DE 3610369 A 19860327

Abstract (en)

[origin: US4827050A] Coal tar oil is separated quantitatively into neutral oil, phenols and bases by a two stage extraction with overcritical gases. Carbon dioxide is employed as an overcritical extraction agent, and propane or butane are preferably added as entrainers. The neutral oil is obtained in the first stage. Tar bases can be employed as an additional entrainer for improving the selectivity. The bases are extracted in the second stage. The method is associated with the advantage that it saves energy and that no byproducts are generated.

IPC 1-7

**C10G 21/00**

IPC 8 full level

**C10C 1/18** (2006.01); **B01D 11/04** (2006.01); **C07C 27/00** (2006.01); **C07C 37/68** (2006.01); **C07C 39/04** (2006.01); **C07C 67/00** (2006.01); **C10G 21/00** (2006.01); **C10G 21/02** (2006.01)

CPC (source: EP US)

**C10G 21/003** (2013.01 - EP US)

Cited by

CN103289717A; CN110559684A; DE4041097C1; EP0489371A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0241636 A2 19871021**; **EP 0241636 A3 19890125**; **EP 0241636 B1 19900926**; CS 180487 A2 19890112; CS 265236 B2 19891013; DE 3610369 A1 19871001; DE 3765158 D1 19901031; JP S62238224 A 19871019; PL 149884 B1 19900331; PL 264838 A1 19880512; US 4827050 A 19890502; ZA 871918 B 19870908

DOCDB simple family (application)

**EP 87100269 A 19870112**; CS 180487 A 19870317; DE 3610369 A 19860327; DE 3765158 T 19870112; JP 7196387 A 19870327; PL 26483887 A 19870326; US 2547387 A 19870313; ZA 871918 A 19870316