

Title (en)

Method and apparatus for fractionating heavy hydrocarbons.

Title (de)

Verfahren und Einrichtung zur Fraktionierung von schweren Kohlenwasserstoffen.

Title (fr)

Méthode et appareillage pour fractionner des hydrocarbures lourds.

Publication

EP 0288627 A1 19881102 (EN)

Application

EP 87303864 A 19870430

Priority

EP 87303864 A 19870430

Abstract (en)

A method and apparatus are provided for high temperature distillation of heavy hydrocarbon oil. The oil is heated to a high temperature, close to a coking temperature, then flashed in a first distillation zone into liquid and vapor. The liquid is withdrawn, reheated, then returned to a second distillation zone and separated into vapor and liquid. This increases distillable products recovery. Preferably a divider separates liquid in the first and second distillation zones, beneath a common vapor space.

IPC 1-7

C10G 7/00; C10G 7/06

IPC 8 full level

C10G 7/06 (2006.01)

CPC (source: EP)

C10G 7/06 (2013.01)

Citation (search report)

- [X] GB 2151151 A 19850717 - MOBIL OIL CORP
- [Y] US 3110663 A 19631112 - MILLER JAMES N
- [Y] US 3314879 A 19670418 - KENNETH LACY RICHARD, et al
- [Y] FR 799594 A 19360615 - BATAAFSCHE PETROLEUM
- [Y] US 3301778 A 19670131 - CABBAGE JOHN T
- [Y] EP 0019400 A2 19801126 - MOBIL OIL CORP [US]
- [A] GB 728234 A 19550413 - LUMMUS CO
- [A] US 4274944 A 19810623 - BANNON ROBERT P
- [A] US 3567628 A 19710302 - POOL JOE VAN
- [E] US 4664784 A 19870512 - HARANDI MOHSEN N [US]

Cited by

CN103608432A; WO2013028379A3

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0288627 A1 19881102

DOCDB simple family (application)

EP 87303864 A 19870430