

Title (en)

DEVICE AND METHOD FOR RECOVERING SOLVENTS FROM A HYDROCARBON MIXTURE CONTAMINATED WITH IMPURITIES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR RÜCKGEWINNUNG VON LÖSUNGSMITTELN AUS EINEM VERUNREINIGTEN KOHLENWASSERSTOFFGEMISCH

Title (fr)

DISPOSITIF ET PROCEDE POUR RECUPERER DES SOLVANTS CONTENUS DANS UN MELANGE D'HYDROCARBURES CONTAMINES

Publication

EP 0952880 A1 19991103 (DE)

Application

EP 98901969 A 19980114

Priority

- DE 19701006 A 19970114
- EP 9800192 W 19980114

Abstract (en)

[origin: DE19701006A1] The invention relates to a device for recovering solvents from a hydrocarbon mixture contaminated with impurities, comprising a container (12) with a jacket (12'), to which is assigned a heating device (18) for evaporating the solvent, a head (12'') covering the jacket (12') to which is assigned a cooling device (20) for condensing the evaporated solvent, and an inlet (22) for introducing the contaminated hydrocarbon mixture into the container (12). The head (12'') of the container (12) on its inner side has a surface (28) for condensing the solvent which runs upwards and is substantially shaped like a cone or has a similar shape, and, adjoining and situated below said surface (28), a collecting channel (30) for drawing off the condensed solvent. The invention also relates to a corresponding method.

IPC 1-7

B01D 5/00; B01D 1/00; B01D 3/02

IPC 8 full level

B01D 1/00 (2006.01); **B01D 5/00** (2006.01); **C07C 7/00** (2006.01)

CPC (source: EP)

B01D 1/0052 (2013.01); **B01D 5/0066** (2013.01); **C07C 7/00** (2013.01)

Citation (search report)

See references of WO 9831446A1

Designated contracting state (EPC)

AT CH IT LI

DOCDB simple family (publication)

DE 19701006 A1 19980716; **DE 19701006 C2 19990805**; AU 5863798 A 19980807; EP 0952880 A1 19991103; WO 9831446 A1 19980723

DOCDB simple family (application)

DE 19701006 A 19970114; AU 5863798 A 19980114; EP 9800192 W 19980114; EP 98901969 A 19980114