

Title (en)  
SELF-REFRIGERATING PROCESS FOR THE EXTRACTION OF HEAVY HYDROCARBON FRACTIONS

Publication  
**EP 0186555 B1 19880420 (FR)**

Application  
**EP 85402339 A 19851128**

Priority  
FR 8419500 A 19841218

Abstract (en)  
[origin: US4822948A] This new process provides for the treatment of a gas containing a light fraction and a heavy fraction, so as to extract at least a portion of the heavy fraction. The process is characterized in that the gas to be treated (1) is contacted with a solvent (8) under cooling conditions to selectively absorb at least a portion of the heavy fraction of the gas in the solvent; the light unabsorbed fraction is discharged (16) and the solution of the heavy fraction in the solvent (18) is subjected to desorption (B1): the solvent (6) is recycled and the evaporated heavy fraction (9) is condensed (C), expanded (V1) and evaporated in thermal exchange contact (E2) with the mixture of the gas and the solvent to be cooled; the heavy fraction is discharged (14). The process may be used for the treatment of gas on the field (associated gas, natural gas) and/or in refining and petrochemical operations.

IPC 1-7  
**C10G 5/04**

IPC 8 full level  
**B01D 3/14** (2006.01); **B01D 53/14** (2006.01); **C10G 5/04** (2006.01)

CPC (source: EP US)  
**C10G 5/04** (2013.01 - EP US); **C10G 2300/1025** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE DE GB IT NL SE

DOCDB simple family (publication)  
**EP 0186555 A1 19860702; EP 0186555 B1 19880420**; AT E33673 T1 19880515; CA 1281994 C 19910326; DE 3562270 D1 19880526; FR 2574811 A1 19860620; FR 2574811 B1 19880108; JP S61151297 A 19860709; US 4822948 A 19890418

DOCDB simple family (application)  
**EP 85402339 A 19851128**; AT 85402339 T 19851128; CA 498007 A 19851218; DE 3562270 T 19851128; FR 8419500 A 19841218; JP 28683185 A 19851218; US 5634387 A 19870527