

Title (en)  
FLOTATION REAGENT AND METHOD FOR RECOVERING COAL FROM COAL-CONTAINING MATERIAL

Publication  
**EP 0185640 A3 19860910 (FR)**

Application  
**EP 85870076 A 19850529**

Priority  
LU 85689 A 19841218

Abstract (en)  
[origin: EP0185640A2] The reagent comprises, as a collector, at least one amine containing at least 6 carbon atoms, such as a tertiary amine containing from 10 to 36 carbon atoms with aliphatic, saturated cyclic or aromatic hydrocarbon radicals, and a frothing agent.

IPC 1-7  
**B03D 1/00**

IPC 8 full level  
**B03D 1/004** (2006.01); **B03D 1/01** (2006.01)

CPC (source: EP)  
**B03D 1/006** (2013.01); **B03D 1/01** (2013.01); **B03D 2203/02** (2013.01); **B03D 2203/08** (2013.01)

Citation (search report)

- [Y] US 4305815 A 19811215 - HEFNER JR ROBERT E
- [X] FR 1241821 A 19600923 - PROD CHIM IND ET ORGANIQUES PR
- [A] FR 1469430 A 19670210 - ARMOUR & CO
- [A] US 4248696 A 19810203 - WHITE WILLIAM R
- [X] TRANSACTIONS, vol. 262, juin 1977, pages 174-180, Society of Mining Engineers, AIME; W. WEN et al.: "An electrokinetic study on the amine flotation of oxidized coal"

Cited by  
CN105728200A; CN109604069A

Designated contracting state (EPC)  
BE DE FR GB LU NL

DOCDB simple family (publication)  
**EP 0185640 A2 19860625**; **EP 0185640 A3 19860910**; LU 85689 A1 19860717

DOCDB simple family (application)  
**EP 85870076 A 19850529**; LU 85689 A 19841218