

Title (en)  
METHOD FOR THE SELECTIVE FLOTATION OF PHOSPHATE ORES

Publication  
**EP 0378128 A3 19911009 (DE)**

Application  
**EP 90100215 A 19900105**

Priority  
DE 3900827 A 19890113

Abstract (en)  
[origin: CA2007637A1] HOE 89/F 006 of the disclosure Process for selective flotation of phosphorus minerals. A process for selective flotation of phosphate minerals, wherein a compound of the formula 1a or 1b (1a) or (1b) in which R1 is branched or unbranched C8-C24-alkenyl, R2 is branched or unbranched C1-C4-alkyl and M is hydrogen, ammonium, triethanolammonium, an alkali metal atom or an alkaline earth metal atom, is added as a collecting agent to the flotation suspension.

IPC 1-7  
**B03D 1/008**; **B03D 1/01**

IPC 8 full level  
**B03D 1/008** (2006.01)

CPC (source: EP US)  
**B03D 1/008** (2013.01 - EP US); **B03D 1/01** (2013.01 - EP US); **B03D 2201/02** (2013.01 - EP US); **B03D 2201/04** (2013.01 - EP US); **B03D 2201/06** (2013.01 - EP US); **B03D 2203/06** (2013.01 - EP US); **Y10S 209/902** (2013.01 - EP US)

Citation (search report)  
• [AD] SOVIET INVENTIONS ILLUSTRATED Woche 8447 , 9 Januar 1985 Derwent Publications Ltd. ,London GB  
• [AD] CHEMICAL ABSTRACTS, vol. 106, no. 14, 6. April 1987, Columbus, Ohio, US; abstract no. 104652N, A.BREDERMAN 'Alkyl[alkenyl]succinic acid alkyl monoesters effective collectors for flotation of apatite ' Seite 141 ;

Cited by  
DE4127151A1; CN105618272A

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**EP 0378128 A2 19900718**; **EP 0378128 A3 19911009**; **EP 0378128 B1 19931110**; BR 9000109 A 19901023; CA 2007637 A1 19900713; DE 3900827 A1 19900719; FI 89877 B 19930831; FI 89877 C 19931210; FI 900149 A0 19900111; FI 900149 A 19900714; RU 1795911 C 19930215; US 4968415 A 19901106; ZA 90229 B 19900926; ZW 490 A1 19900725

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