

Title (en)

N-ALKYL AND N-ALKENYL-ASPARTIC ACIDS AS CO-COLLECTORS FOR THE FLOTATION OF NON-SULFIDIC MINERALS

Publication

**EP 0270018 A3 19900418 (DE)**

Application

**EP 87117541 A 19871127**

Priority

DE 3641579 A 19861205

Abstract (en)

[origin: US4790932A] Use of N-alkyl and/or N-alkenyl aspartic acids or salts thereof as co-collectors in the flotation of non-sulfidic ores and a process for the separation of non-sulfidic ores by flotation wherein N-alkyl and/or N-alkenyl aspartic acids or salts thereof are used in collector mixtures.

IPC 1-7

**B03D 1/00**

IPC 8 full level

**B03D 1/00** (2006.01); **B03D 1/01** (2006.01)

CPC (source: EP US)

**B03D 1/008** (2013.01 - EP US); **B03D 1/01** (2013.01 - EP US); **B03D 1/012** (2013.01 - EP US); **B03D 2201/02** (2013.01 - EP US); **B03D 2203/04** (2013.01 - EP US)

Citation (search report)

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US5540336A

Designated contracting state (EPC)

AT DE ES FR GB SE

DOCDB simple family (publication)

**EP 0270018 A2 19880608; EP 0270018 A3 19900418; EP 0270018 B1 19920617;** AT E77262 T1 19920715; AU 601244 B2 19900906; AU 8210987 A 19880609; BR 8706570 A 19880712; CA 1320769 C 19930727; CN 1011296 B 19910123; CN 87107280 A 19880615; DE 3641579 A1 19880616; DE 3779878 D1 19920723; ES 2031869 T3 19930101; FI 84321 B 19910815; FI 84321 C 19911125; FI 875336 A0 19871203; FI 875336 A 19880606; MX 169159 B 19930623; PT 86278 A 19880101; PT 86278 B 19901107; US 4790932 A 19881213; ZA 879141 B 19880606

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