

Title (en)
USE OF SURFACTANT MIXTURES AS FLOTATION AGENTS FOR NON-SULFIDE ORES

Publication
EP 0201815 B1 19910807 (DE)

Application
EP 86106023 A 19860502

Priority
DE 3517154 A 19850511

Abstract (en)
[origin: US4789466A] A process for separating non-sulfidic minerals from an ore by flotation in which the ore is contacted with a mixture of (a) at least one adduct of ethylene oxide and propylene oxide with a C8-C22 fatty alcohol and (b) at least one anionic, cationic or ampholytic surfactant.

IPC 1-7
B03D 1/02

IPC 8 full level
B03D 1/004 (2006.01); **B03D 1/008** (2006.01); **B03D 1/01** (2006.01); **B03D 1/012** (2006.01); **B03D 1/02** (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)

Cited by
EP0270933A3; EP0262650A3; EP0344553A1; US4995998A; WO2015000931A2; US10543493B2

Designated contracting state (EPC)
AT DE FR SE

DOCDB simple family (publication)
EP 0201815 A2 19861120; EP 0201815 A3 19891018; EP 0201815 B1 19910807; EP 0201815 B2 19940803; AT E65945 T1 19910815; AU 5731286 A 19861113; AU 581512 B2 19890223; BR 8602081 A 19870106; DE 3517154 A1 19861113; DE 3680709 D1 19910912; ES 554819 A0 19890216; ES 8900152 A1 19890216; FI 79952 B 19891229; FI 79952 C 19900410; FI 861953 A0 19860509; FI 861953 A 19861112; MX 170350 B 19930818; PT 82561 A 19860601; PT 82561 B 19880303; TR 24023 A 19910201; US 4789466 A 19881206; ZA 863466 B 19861230

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