

Title (en)

USE OF NON-IONIC SURFACTANTS AS REAGENTS FOR THE FLOTATION OF NON-SULPHIDIC MINERALS

Publication

**EP 0219057 A3 19900321 (DE)**

Application

**EP 86113956 A 19861008**

Priority

DE 3536975 A 19851017

Abstract (en)

[origin: EP0219057A2] Alkyl glycosides and/or alkenyl glycosides are used alone or as a mixture with at least one anionic, cationic or ampholytic surfactant as collecting agents in the flotation of non-sulphidic ores. However alkyl monoglycosides and alkenyl monoglycosides or corresponding polyglycosides having 2 to 8 glycoside radicals can be used. The alkyl radicals or alkenyl radicals of these compounds can have straight or branched chains and 2 to 18 carbon atoms and, if desired, contain a hydroxyl group and/or an ether bridge in place of a -CH<sub>2</sub>- group. <IMAGE>

IPC 1-7

**B03D 1/02**

IPC 8 full level

**B03D 1/008** (2006.01); **B03D 1/01** (2006.01); **B03D 1/012** (2006.01); **B03D 1/014** (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 1/014** (2013.01 - EP US); **B03D 2201/02** (2013.01 - EP US); **B03D 2203/04** (2013.01 - EP US)

Citation (search report)

- [A] EP 0070074 A2 19830119 - PROCTER & GAMBLE [US]
- [A] EP 0107561 A1 19840502 - ELF AQUITAINE [FR]
- [A] US 3737426 A 19730605 - THROCKMORTON P, et al

Cited by

US5883068A; US5540336A; WO9426857A1; WO9115298A1; WO9118674A1; WO9610622A1; WO9306935A1

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