

Title (en)
COLLECTOR FOR SULFIDIC ORES

Title (de)
SAMMLER FÜR SULFIDISCHE ERZE

Title (fr)
COLLECTEUR POUR MINÉRAIS SULFURES

Publication
EP 1747066 B1 20080123 (DE)

Application
EP 05737675 A 20050428

Priority

- EP 2005004534 W 20050428
- DE 102004022925 A 20040510

Abstract (en)
[origin: WO2005113152A1] The invention relates to a flotation reagent for sulfidic ores, containing at least one compound of formula (I), wherein R<2>, R<3>, R<4>, R<5>, R<6> and R<7>, independent of one another, represent hydrogen or groups containing 1 to 15 carbon atoms or groups containing oxygen or nitrogen, and at least another compound serving as collector and containing at least one sulfur atom that is directly bound to a carbon or phosphorus atom, wherein said carbon or phosphorus atom is directly bound to at least another sulfur atom or to an oxygen atom.

IPC 8 full level
B03D 1/008 (2006.01); **B03D 1/01** (2006.01); **C07D 215/26** (2006.01)

CPC (source: 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 2203/02** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE DE ES FI NL SE

DOCDB simple family (publication)
WO 2005113152 A1 20051201; AT E384581 T1 20080215; AU 2005245069 A1 20051201; BR PI0510767 A 20071120; BR PI0510767 B1 20170718; CA 2569869 A1 20051201; CA 2569869 C 20120821; DE 102004022925 B3 20051215; DE 502005002671 D1 20080313; EP 1747066 A1 20070131; EP 1747066 B1 20080123; ES 2300011 T3 20080601; MX PA06013013 A 20070420; US 2007221878 A1 20070927; US 7695634 B2 20100413; ZA 200607460 B 20080528

DOCDB simple family (application)
EP 2005004534 W 20050428; AT 05737675 T 20050428; AU 2005245069 A 20050428; BR PI0510767 A 20050428; CA 2569869 A 20050428; DE 102004022925 A 20040510; DE 502005002671 T 20050428; EP 05737675 A 20050428; ES 05737675 T 20050428; MX PA06013013 A 20050428; US 59617105 A 20050428; ZA 200607460 A 20060906