Title (en)

METHOD OF PRODUCING IRON-ORE CONCENTRATES BY FROTH FLOTATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON EISENERZKONZENTRATEN DURCH FLOTATION

Title (fr)

PROCEDE D'OBTENTION DE CONCENTRES DE MINERAIS DE FER PAR FLOTTATION

Publication

EP 0609257 B1 19960612 (DE)

Application

EP 92920650 A 19920925

Priority

- DE 4133063 A 19911004
- EP 9202224 W 19920925

Abstract (en)

[origin: DE4133063A1] Described is a method of producing iron-ore concentrates by the flotation washing of iron ore using as the collector mixtures containing (a) at least one ether amine of the formula (I): R<1>O-[CnH2n]y-NH-[CmH2m-NH]xH, in which R<1> is a straight-chain or branched-chain aliphatic hydrocarbon group with 6 to 22 carbon atoms and 0, 1, 2 or 3 double bonds; n and m, independently of each other, are the numbers 1, 2 or 3; x is 0 or the number 1, 2 or 3; and y is 2 or 3; and (b) at least one other anionic and/or non-ionic collector.

IPC 1-7

B03D 1/01; B03D 1/004; B03D 1/02

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN102259060A; US8784678B2; US9403174B2

Designated contracting state (EPC)

DE SE

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DE 4133063 A1 19930408; AU 2651592 A 19930503; AU 658226 B2 19950406; CA 2120742 A1 19930415; DE 59206582 D1 19960718; EP 0609257 A1 19940810; EP 0609257 B1 19960612; US 5540336 A 19960730; WO 9306935 A1 19930415

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DE 4133063 A 19911004; AU 2651592 A 19920925; CA 2120742 A 19920925; DE 59206582 T 19920925; EP 9202224 W 19920925; EP 92920650 A 19920925; US 21152294 A 19940404