

Title (en)

USE OF DISPERSANTS TO CONCENTRATE MINERALS IN WATER, DISPERSIONS OBTAINED AND USES THEREOF

Title (de)

VERWENDUNG VON DISPERGIERMITTELN ZUR ANREICHERUNG VON MINERALIEN IN WASSER, DIE ERHALTENEN DISPERSIONEN UND DEREN VERWENDUNG

Title (fr)

UTILISATION DE DISPERSANTS POUR CONCENTRER DES MATIERES MINERALES DANS L'EAU, DISPERSIONS OBTENUES ET LEURS UTILISATIONS

Publication

EP 1979418 A1 20081015 (FR)

Application

EP 06831756 A 20061213

Priority

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Abstract (en)

[origin: WO2007072168A1] The invention consists of the use of dispersants in a process for producing an aqueous dispersion of minerals by a) grinding said minerals at low solids content (= 40%) in water, without dispersant and/or grinding aid, b) carrying out concentration to high solids content (= 65%) by mechanical and/or thermal means, characterized in that at least one dispersant is introduced between step a) and step b) and/or during step b) and/or during and after step b), in the form of a combination of at least one acrylic acid homopolymer and at least one inorganic fluorine compound.

IPC 8 full level

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CPC (source: EP KR US)

B02C 23/06 (2013.01 - KR); **C01F 11/185** (2013.01 - EP US); **C09C 1/02** (2013.01 - KR); **C09C 1/021** (2013.01 - EP US); **C09C 1/022** (2013.01 - EP US); **C09C 1/42** (2013.01 - EP US); **C09C 3/006** (2013.01 - EP US); **C09C 3/04** (2013.01 - KR); **C09C 3/041** (2013.01 - EP US); **C09C 3/06** (2013.01 - EP KR US); **C09C 3/08** (2013.01 - EP US); **C09C 3/10** (2013.01 - EP US); **D21H 19/64** (2013.01 - EP US); **C01P 2004/62** (2013.01 - EP US); **C01P 2006/22** (2013.01 - EP US); **D21H 19/385** (2013.01 - EP US); **D21H 19/58** (2013.01 - EP US)

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