

Title (en)
METHOD FOR THE PREPARATION OF FINE GRAIN ORES

Title (de)
VERFAHREN ZUM AUFBEREITEN VON FEINKÖRNICEM ERZ

Title (fr)
PROCEDE DE TRAITEMENT DE MINERAL A GRAINS FINS

Publication
EP 1204773 A1 20020515 (DE)

Application
EP 00942084 A 20000616

Priority
• AT 130099 A 19990727
• EP 0005565 W 20000616

Abstract (en)
[origin: WO0107670A1] The invention concerns a method for the preparation of fine-grain ore (2) in which the ore (2) is subjected to wind screening using a gas. Two fractions are formed (6, 8): a crude fraction (6) and a primary fine fraction (8), whereby the crude fraction (6) is ejected (6) and the primary fine fraction (8) is carried along by the gas, then deposited out of the gas and at least the majority thereof this is processed together with the crude fraction (6). The primary fine fraction is subjected again to a wind screening (8) using a gas which results in the deposition of a secondary fine fraction (18) and is processed together with the crude fraction (6). An ultrafine fraction (19) is carried along with the gas and then deposited out of the gas. In the subsequent processing steps which the fine grain ore (2) is subjected to, caking and sticking which can be caused by the ultra-fine fraction (19), can be avoided.

IPC 1-7
C22B 1/00; **C22B 1/24**; **C21B 13/00**; **C22B 1/10**

IPC 8 full level
B07B 9/00 (2006.01); **B01D 45/08** (2006.01); **B01D 45/12** (2006.01); **B03C 3/28** (2006.01); **B07B 4/08** (2006.01); **B07B 7/08** (2006.01); **B07B 9/02** (2006.01); **C21B 13/00** (2006.01); **C22B 1/00** (2006.01); **C22B 1/24** (2006.01); **C22B 7/00** (2006.01)

CPC (source: EP KR)
C21B 13/0033 (2013.01 - EP); **C22B 1/00** (2013.01 - EP KR); **C22B 1/2406** (2013.01 - EP); **C22B 7/005** (2013.01 - EP); **Y02P 10/20** (2015.11 - EP)

Citation (search report)
See references of WO 0107670A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0107670 A1 20010201; AT 407346 B 20010226; AT A130099 A 20000715; AU 5682600 A 20010213; CA 2378956 A1 20010201; EP 1204773 A1 20020515; JP 2003505240 A 20030212; KR 20020016918 A 20020306; MX PA02000629 A 20020830

DOCDB simple family (application)
EP 0005565 W 20000616; AT 130099 A 19990727; AU 5682600 A 20000616; CA 2378956 A 20000616; EP 00942084 A 20000616; JP 2001512935 A 20000616; KR 20027001091 A 20020125; MX PA02000629 A 20000616