

Title (en)  
METHOD FOR MILLING HARD ROCKS

Title (de)  
VERFAHREN ZUM FRÄSEN VON HARTEN STEINEN

Title (fr)  
PROCEDE DE SCIAGE DE PIERRES DURES

Publication  
**EP 1393872 B1 20100217 (EN)**

Application  
**EP 02720025 A 20020410**

Priority  
• ES 0200176 W 20020410  
• ES 200100842 A 20010410

Abstract (en)  
[origin: EP1393872A1] The method involves homogeneously mixing the sludges removed from the cutting machine with water before reaching the hydrocyclone separating the minute grains. Said mixture is carried out in an ejector (4) which receives the sludges through an inlet (7) and pressurized water through the injector (5). In vertical position, it sends the mixture jet into the interior of a body (1), wherein a partition wall (8) is placed inside said body to support a bridge (9) defining an impact surface (10), which provokes a first homogenization of the mixture together with subsequent impact of the fragmented jet against the side wall of a body (1). The jet then goes through perimeter holes (11) of the partition (8) into a lower chamber (13) in which the jets passing through said holes impact a slanted plane (14) thereby generating a second homogenization phase before reaching the outlet (15) defined by the slanted plane (14) in the direction of the tube (17) communicating the ejector-mixer with the hydrocyclone. <IMAGE>

IPC 8 full level  
**B28D 1/02** (2006.01)

CPC (source: EP ES)  
**B28D 1/025** (2013.01 - EP ES)

Cited by  
WO2013076319A1

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**EP 1393872 A1 20040303; EP 1393872 B1 20100217**; AT E457861 T1 20100315; DE 60235358 D1 20100401; ES 2178963 A1 20030101; ES 2178963 B1 20040616; ES 2337234 T3 20100422; PT 1393872 E 20100524; WO 02081165 A1 20021017

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