

Title (en)

IMPROVEMENTS TO DEVICES FOR PRODUCING MINERAL FIBRES BY FREE CENTRIFUGING

Title (de)

VERBESSERUNG AN VORRICHTUNGEN ZUM HERSTELLEN VON MINERALFASERN MITTELS FREIER ZENTRIFUGATION

Title (fr)

PERFECTIONNEMENT AUX DISPOSITIFS DE FABRICATION DE FIBRES MINERALES PAR CENTRIFUGATION LIBRE

Publication

EP 0810979 A1 19971210 (FR)

Application

EP 96942393 A 19961212

Priority

- FR 9601989 W 19961212
- FR 9515365 A 19951222

Abstract (en)

[origin: WO9723421A1] A fiberizing rotor in a machine for producing mineral fibres by free centrifuging, comprising a rim on the outside of which the molten material to be fiberized into fibres is fed from a distribution rotor or another fiberizing rotor. Said rotor comprises an internal liquid circuit with liquid discharge ports on the rim, wherein the ports are located in the rim portion where said material is deposited. This arrangement of cooling ports enables the temperature of the support to be reduced in the hottest area thereof, whereby the corresponding temperature gradients are reduced. As the temperature gradients are reduced on the rim of the centrifuging rotors under the molten material being fiberized, the production conditions and thus the product quality (fibre length and delay in the loss of quality due to rotor wear), the stability of the conditions (compositions having, in particular, a narrow working range) or the wear of the equipment may be substantially improved.

IPC 1-7

C03B 37/05

IPC 8 full level

C03B 37/05 (2006.01)

CPC (source: EP)

C03B 37/055 (2013.01)

Citation (search report)

See references of WO 9723421A1

Designated contracting state (EPC)

AT CH DE DK ES FI FR GB LI NL SE

DOCDB simple family (publication)

WO 9723421 A1 19970703; AU 1178997 A 19970717; AU 718773 B2 20000420; CN 1175934 A 19980311; CZ 251597 A3 19980114; EP 0810979 A1 19971210; FR 2742744 A1 19970627; NO 973855 D0 19970821; NO 973855 L 19970821; PL 321844 A1 19971222; SK 113697 A3 19980114

DOCDB simple family (application)

FR 9601989 W 19961212; AU 1178997 A 19961212; CN 96192070 A 19961212; CZ 251597 A 19961212; EP 96942393 A 19961212; FR 9515365 A 19951222; NO 973855 A 19970821; PL 32184496 A 19961212; SK 113697 A 19961212