

Title (en)
GRINDING METHOD AND GRINDING SYSTEM FOR BILLET.

Title (de)
VERFAHREN UND SYSTEM ZUM SCHLEIFEN VON KNÜPPELN.

Title (fr)
PROCEDE ET SYSTEME DE RECTIFIAGE DE BILLETES.

Publication
EP 0645214 A1 19950329 (EN)

Application
EP 93904335 A 19930223

Priority
• JP 9300218 W 19930223
• JP 28331992 A 19921021

Abstract (en)
A grinding method, in which an abrasive material (6) is ejected from a nozzle (1, 108) onto a billet (3, W) so as to grind the same, and which is applied to a continuous casting step or a step subsequent thereto, which method is characterized in that abrasive material-mixed high-pressure water is applied in the form of a jet to the surface of a billet so as to grind a flaw-carrying portion (12, 12', 12'', 12''') thereof; and a grinding system for practising this grinding method, having a supply source (19-20, 103) of a high-pressure liquid and an abrasive material, a nozzle (4, 102) connected to the supply source, and a combination of an abrasive material recovering unit (104) for recovering as necessary the abrasive material, which has been used for a grinding operation, and returning the same to the supply source, and a flaw detecting means (15-16, 101). <IMAGE>

IPC 1-7
B24C 5/02; B26F 3/00; B24C 1/04; B24C 3/12

IPC 8 full level
B24C 7/00 (2006.01); **B24C 1/04** (2006.01); **B24C 3/12** (2006.01)

CPC (source: EP)
B24C 1/04 (2013.01); **B24C 3/12** (2013.01)

Cited by
CN111559048A; EP0703040A1; US5598730A; US10363648B2; WO2018026918A1; US10828746B2

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
WO 9408754 A1 19940428; AU 3574893 A 19940509; AU 670573 B2 19960725; BR 9305541 A 19951226; CN 1085840 A 19940427; CN 1095728 C 20021211; DE 69325807 D1 19990902; DE 69325807 T2 20000316; EP 0645214 A1 19950329; EP 0645214 A4 19950419; EP 0645214 B1 19990728; ES 2134256 T3 19991001; JP H06126630 A 19940510; KR 0161671 B1 19981215; TW 245673 B 19950421

DOCDB simple family (application)
JP 9300218 W 19930223; AU 3574893 A 19930223; BR 9305541 A 19930223; CN 93103448 A 19930226; DE 69325807 T 19930223; EP 93904335 A 19930223; ES 93904335 T 19930223; JP 28331992 A 19921021; KR 19940700115 A 19940114; TW 82101283 A 19930223