

Title (en)

METHOD OF AND INSTALLATION FOR THE CONTINUOUS MECHANICAL REMOVAL OF MATERIAL FROM CASTING STRAND SURFACES

Publication

EP 0053274 B1 19841227 (DE)

Application

EP 81108912 A 19811026

Priority

DE 3044832 A 19801128

Abstract (en)

[origin: EP0053274A1] 1. Method for the continuous mechanical removal of material from continuous casting surfaces in the hot state, in which the hot strand (1) before the transverse parting (6) is machined simultaneously on mutually opposite sides, for example on the upper and the lower side, by machining tools (10), for example grinding discs (10', 10''), planing blades or milling tools, moving to and from between the strand edges, characterised thereby, that the removal operation is carried out each time on tracks (14', 14''), which extend obliquely in strand movement direction (11) and are inclined alternately to right and left, and the removal operation (10, 10', 10'') is in that case intensified in dependence on arising surface faults.

IPC 1-7

B22D 11/126; B23D 1/22; B21B 45/04; B21J 7/14; B23P 23/04; B24B 27/00

IPC 8 full level

B21B 45/04 (2006.01); **B21J 7/14** (2006.01); **B22D 11/12** (2006.01); **B22D 11/126** (2006.01); **B23D 1/22** (2006.01); **B23P 23/04** (2006.01); **B24B 27/00** (2006.01); B21B 45/00 (2006.01)

CPC (source: EP)

B22D 11/12 (2013.01); **B22D 11/126** (2013.01); **B24B 27/04** (2013.01); B21B 45/00 (2013.01); B21B 45/04 (2013.01)

Cited by

WO2007137759A1; JP2013530847A; WO2012019668A1; WO2010105838A1; WO2010105839A1; CN103406824A; EP0128375A1; EP0761328A1; IT201900009717A1; AU2007267415B2; US2009139681A1; EP0761330A1; US5774973A; EP0121298A1; US4601762A; CN109290810A; CN110369849A; CN102369085A; CN102387893A; AU2007267471B2; KR101068458B1; EP0881017A3; CN111421342A; CN101879695A; WO2007137739A2; WO9842462A1; WO2007137739A3; WO9622173A1; EP0134790B1; DE102010027561A1; US9248540B2; US8708775B2; US8900035B2; EP2719498B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0053274 A1 19820609; **EP 0053274 B1 19841227**; AT E10913 T1 19850115; DE 3044832 A1 19820701; DE 3167977 D1 19850207

DOCDB simple family (application)

EP 81108912 A 19811026; AT 81108912 T 19811026; DE 3044832 A 19801128; DE 3167977 T 19811026