

Title (en)

Method of treating ingot moulds.

Title (de)

Verfahren zum Behandeln von Kokillen.

Title (fr)

Procédé de traitement de lingotières.

Publication

**EP 0005611 A1 19791128 (EN)**

Application

**EP 79300793 A 19790509**

Priority

GB 2130678 A 19780523

Abstract (en)

To overcome various problems associated with moulding of steel, the moulds (5) are shot peened in between casts using an air-blast system which incorporates a compressor (4), a shot recovery and supply system (2), a dust collector and control section (3, 3 min ) and a peening/cleaning station (1) which has a nozzle assembly (9) arranged to traverse the length of a mould (5) whilst rotating and simultaneously firing shot at the interior mould surfaces to achieve a peening effect.

IPC 1-7

**B22C 23/02**; **C21D 7/06**

IPC 8 full level

**B22D 43/00** (2006.01); **B22C 23/02** (2006.01); **B22D 37/00** (2006.01); **B24C 3/32** (2006.01); **C21D 7/06** (2006.01)

CPC (source: EP)

**B22C 23/02** (2013.01); **B24C 3/325** (2013.01); **C21D 7/06** (2013.01)

Citation (search report)

- FR 1533480 A 19680719 - KREIS OHG WERKZEUG UND MASCHIN
- GB 1145147 A 19690312 - HENRI JEAN DAUSSAN
- GB 303487 A 19290711 - INTERNAT DELAVAL MFG CORP LTD
- US 1833025 A 19311124 - LANGENBERG FREDERICK C
- PROCESS CONTROL AND AUTOMATION, Vol. 10, December 1963, London (GB) "Automatic Shot-blasting of Hot Ingot Moulds" pages 513-515 \* pages 514 and 515 \*

Cited by

CN103046057A; EP0438837A3; EP0688618A1; CN110253453A; DE102014226528A1

Designated contracting state (EPC)

AT BE CH DE FR IT LU NL SE

DOCDB simple family (publication)

**EP 0005611 A1 19791128**; AU 4692179 A 19791129; GB 2021457 A 19791205; JP S54155933 A 19791208; ZA 792125 B 19800528

DOCDB simple family (application)

**EP 79300793 A 19790509**; AU 4692179 A 19790510; GB 7916049 A 19790509; JP 6314979 A 19790522; ZA 792125 A 19790502