

Title (en)

DEVICE FOR THE CONTINUOUS CASTING OF METALS

Publication

EP 0080997 B1 19851127 (DE)

Application

EP 82890174 A 19821123

Priority

AT 511281 A 19811127

Abstract (en)

[origin: EP0080997A1] 1. Apparatus for the continuous casting of metals, in particular steels, which includes a container (1) for the molten metal (1a) to be cast, at least one discharge passage (2) which communicates in the region of the floor of the container with at least one horizontal continuous casting mould (4), and at least one closure member (3) disposed in the passage (2), characterised in that arranged on the slider plate (20) of a slider (3) which is arranged in a substantially horizontally disposed discharge passage (2), in an inclined position relative thereto, substantially vertically, at the side which is towards the molten metal container (1), in the of the edge zone (22a) of the surface region (22) which is in contact with the metal (1a) to be cast in the closed position of the slider plate (20) and/or in the region of the opening (11), preferably a bore, in the head plate (10) of the slider (3), is at least one opening or nozzle (23, 13) for the feed of a gaseous medium, preferably oxygen and/or argon, with a tangential direction of issue.

IPC 1-7

B22D 41/08; **B22D 11/10**; **B22D 11/14**; **B22D 11/04**

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/047** (2006.01); **B22D 11/10** (2006.01); **B22D 11/103** (2006.01); **B22D 11/119** (2006.01); **B22D 41/42** (2006.01)

CPC (source: EP)

B22D 11/047 (2013.01); **B22D 41/42** (2013.01)

Citation (opposition)

Opponent : Didier-Werke AG

- DE 2462292 A1 19770217 - USS ENG & CONSULT
- DE 2811546 A1 19780921 - SUMITOMO METAL IND
- DE 6918019 U 19700506 - ASIERIES REUNIES DE BURBACH EI [LU]

Cited by

US5613545A; EP0563376A4; AT383529B

Designated contracting state (EPC)

BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0080997 A1 19830608; **EP 0080997 B1 19851127**; AT A511281 A 19870315; DE 3267714 D1 19860109; JP S5893543 A 19830603

DOCDB simple family (application)

EP 82890174 A 19821123; AT 511281 A 19811127; DE 3267714 T 19821123; JP 20218082 A 19821119