

Title (en)

Horizontal type continuous casting machine for casting molten metal into a plurality of cast metal strands.

Title (de)

Horizontal-Strangguss-Maschine zum Giessen von geschmolzenem Metall in eine Mehrzahl von Gussmetallformen.

Title (fr)

Machine de coulée continue horizontale pour la coulée de métal liquide dans les moules à plusieurs cavités.

Publication

EP 0164926 A2 19851218 (EN)

Application

EP 85303456 A 19850516

Priority

JP 11314684 A 19840604

Abstract (en)

A horizontal type continuous casting machine for casting molten metal into a plurality of cast metal strands, which comprises: a tundish (1) for receiving molten metal; a plurality of horizontal molds (3) each fitted, through a respective horizontal nozzle (2), to each of a plurality openings provided in a lower portion of a side wall of the tundish (1), the molds (3) being arranged in parallel with each other in the same horizontal level; a water-cooling means comprising a single jacket (12), for simultaneously cooling the plurality of molds (3) to solidify molten metal introduction from the tundish (1) through the nozzles (2) into the molds (3) into a plurality of cast metal strands (7); at least one pair of horizontal pinch rolls (13) each comprising an upper roll (13a) and a lower roll (13b), for simultaneously squeezing the plurality of cast metal strands (7) and simultaneously withdrawing same in the horizontal direction from the molds (3); and at least one horizontal guide roller (14) for simultaneously supporting and guiding the plurality of cast metal strands (7) from the molds (3) toward the pair of pinch rolls (13).

IPC 1-7

B22D 11/04; **B22D 11/14**

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/128** (2006.01); **B22D 11/14** (2006.01)

CPC (source: EP KR)

B22D 11/04 (2013.01 - KR); **B22D 11/1284** (2013.01 - EP); **B22D 11/143** (2013.01 - EP); **B22D 11/147** (2013.01 - EP)

Cited by

EP0239919A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0183855 A1 19860611; **EP 0183855 A4 19861125**; CA 1233619 A 19880308; CH 666637 A5 19880815; EP 0164926 A2 19851218; EP 0164926 A3 19860820; ES 543846 A0 19860616; ES 8608357 A1 19860616; JP S60257949 A 19851219; KR 860000108 A 19860125; KR 910009621 B1 19911123; WO 8505582 A1 19851219

DOCDB simple family (application)

EP 85902669 A 19850604; CA 482462 A 19850527; CH 56986 A 19850604; EP 85303456 A 19850516; ES 543846 A 19850603; JP 11314684 A 19840604; JP 8500317 W 19850604; KR 850003439 A 19850520