

Title (en)

Submerged nozzle for feeding molten metal into a mould for the continuous casting of thin material

Title (de)

Tauchgiessrohr zum Einleiten von Schmelze in eine Kokille zum Stranggiessen insbesondere von Flachprodukten

Title (fr)

Tube plongeur pour introduire un métal fondu, dans une coquille pour la coulée en continue de plaques fines

Publication

EP 1002600 A3 20010404 (DE)

Application

EP 99122176 A 19991105

Priority

- DE 19853723 A 19981120
- DE 19908346 A 19990226

Abstract (en)

[origin: EP1002600A2] The contour element is formed of a combination of a sturdy base element (10) connecting opposite wall regions at a height (H1) and flow distributors (12) at a height (H2) in a direction of the X-axis protruding from the wall directions into the pouring piece (11) of the flow channel without solid connection to the opposite-lying wall regions. Immersion pouring spout (1) used in continuous casting has a pouring piece (11) formed as flow channel and made up of a contour element (10, 12) and opposite-lying outlet openings (8, 8') in the direction of the narrow side walls (15). The contour element is formed of a combination of a sturdy base element (10) connecting opposite wall regions at a height (H1) and flow distributors (12) at a height (H2) in a direction of the X-axis protruding from the wall directions into the pouring piece (11) of the flow channel without solid connection to the opposite-lying wall regions.

IPC 1-7

B22D 11/10; B22D 41/50

IPC 8 full level

B22D 41/50 (2006.01)

CPC (source: EP)

B22D 41/50 (2013.01)

Citation (search report)

- [X] WO 9748512 A1 19971224 - ARVEDI GIOVANNI [IT], et al
- [A] EP 0482423 A1 19920429 - SCHLOEMANN SIEMAG AG [DE]
- [A] EP 0709153 A1 19960501 - DANIELI OFF MECC [IT]
- [DA] DE 4142447 A1 19921224 - MANNESMANN AG [DE]
- [DA] WO 9529025 A1 19951102 - HEASLIP LAWRENCE JOHN [CA], et al

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CN105127408A; RU2679664C2; US10569326B2; WO2015189742A1; TWI691371B

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1002600 A2 20000524; EP 1002600 A3 20010404; EP 1002600 B1 20040121; AT E258088 T1 20040215; ES 2214796 T3 20040916

DOCDB simple family (application)

EP 99122176 A 19991105; AT 99122176 T 19991105; ES 99122176 T 19991105