

Title (en)

POURING NOZZLE CONSISTING OF SEVERAL LONGITUDINAL SECTIONS FOR SUPPLYING LIQUID METAL INTO THE MOULD FOR CONTINUOUS CASTING AND PROCESS OF MAKING SUCH A NOZZLE

Publication

EP 0149164 A3 19850821 (DE)

Application

EP 84115539 A 19841215

Priority

DE 3401024 A 19840113

Abstract (en)

[origin: EP0149164A2] 1. A casting nozzle, comprising a number of longitudinal portions, for supplying molten metal, more particularly molten steel, to a continuous casting chill mould having mould walls (4; 5) which bound a rectangular mould space and move therein exclusively in the casting direction and whose mouthpiece (1) of adapted cross-section, extending over a portion of its longitudinal extension into the mould space (3), has a hollow supporting member (8) of amorphous silica and, bearing thereagainst, a hollow mouth member (9) of boron nitride, the latter falling in the end zone of the mouthpiece as far as its outlet aperture (1") a portion of the wall of the mouthpiece bore and the end face present at that place, characterised in that mouth member (9) and the supporting member (8) cast thereon, which overlap one another, are non-releasably and positively interconnected leaving a crack-shaped gap (10), the gap between the adjoining surfaces of the two ceramic bodies (8, 9) being filled with a sealing compound (11) which has plastic properties at higher temperatures.

IPC 1-7

B22D 11/06

IPC 8 full level

B22D 11/06 (2006.01)

CPC (source: EP)

B22D 11/0642 (2013.01)

Citation (search report)

- [A] EP 0049239 A1 19820407 - BOEHLER AG [DE]
- [A] FR 2398565 A1 19790223 - SCAL GP CONDIT ALUMINIUM [FR]
- [A] CH 508433 A 19710615 - PROLIZENZ AG C O SCHWEIZ KREDI [CH]
- [AD] EP 0045365 A1 19820210 - KRUPP GMBH [DE]

Cited by

US5755274A; GB2257383A; WO0032337A1

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