

Title (en)

Manufacturing process for steels, suitable for big-sized moulds

Title (de)

Verfahren zur Herstellung eines Stahles für Formen grosser Abmessungen

Title (fr)

Procédé de fabrication d'un acier pour moules de grandes dimensions

Publication

EP 0882808 A1 19981209 (FR)

Application

EP 98401272 A 19980528

Priority

FR 9707138 A 19970604

Abstract (en)

Steel for making large moulds comprises by weight: 1-3% manganese, up to 0.400% silicon, up to 0.015% phosphorous, 1.50-3.5% chromium, 0.25-1% molybdenum, 0.100-0.250% niobium, 100-300 ppm titanium or zirconium if necessary, up to 0.300% copper, up to 0.300% nickel, up to 80ppm nitrogen, up to 80 ppm oxygen, up to 30 ppm calcium, 15-50 ppm boron, 0.10-0.25% carbon, up to 0.0250% sulphur and up to 250 ppm aluminium, the balance being iron and impurities. Also claimed is making this steel by melting in an electric furnace, then degassing under a vacuum below 1, preferably 0.2 torr, in a heated ladle.

IPC 1-7

C22C 38/38

IPC 8 full level

C22C 38/38 (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] EP 0648853 A1 19950419 - NIPPON STEEL CORP [JP]
- [A] EP 0508237 A1 19921014 - BETHLEHEM STEEL CORP [US]
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