

Title (en)

METHOD AND APPARATUS FOR SHAPING THE CASTING REGION IN A TWIN-BELT CONTINUOUS CASTING MACHINE

Publication

EP 0081848 B1 19860226 (EN)

Application

EP 82111600 A 19821214

Priority

- US 33072681 A 19811214
- US 33072781 A 19811214

Abstract (en)

[origin: EP0081848A2] Method and system are provided for continuously casting metal product (P) directly from molten metal (125) in which the molten metal (125) is confined and solidified in a casting region (C or CB) defined above and below by upper and lower, cooled, endless, flexible, traveling, casting belts (12, 14) supported by belt support systems including back-up rollers (133, 107, 34, 134, 108) in respective upper and lower belt carriages (U, L) and laterally defined by first and second traveling side dams, in which the flexible back-up rollers (133, 107, 34, 134, 108) and belt support systems shape and maintain the casting region (C or CB) for improved heat transfer and improved product uniformity and enhanced machine performance. Contact between the casting belts (12, 14) and the cast product (P) is maintained at an acceptable pressure, and the cast product (P) is produced with substantially uniform transverse cross section.

IPC 1-7

B22D 11/06

IPC 8 full level

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CPC (source: EP)

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Cited by

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