

Title (en)

A method and device for supporting a continuously cast metal product.

Title (de)

Verfahren und Vorrichtung zur Abstützung eines stranggegossenen Metallproduktes.

Title (fr)

Procédé et dispositif pour supporter un produit métallique coulé en continu.

Publication

**EP 0451129 A2 19911009 (FR)**

Application

**EP 91870054 A 19910402**

Priority

BE 9000386 A 19900406

Abstract (en)

The metal product is supported by means of a plurality of back-up rolls extending over the width of the metal product and following each other along the path followed by this product. A layer of a pressurized cooling liquid is formed individually at the surface of at least one back-up roll (3), extending in a longitudinal direction substantially over the entire length of the back-up roll (3) and in a circumferential direction over an arc corresponding to an angle at the centre of at least 90 DEG . The layer of pressurized cooling liquid is substantially diametrically opposite the region of contact of the back-up roll (3) with the metal product (1). At least a portion of the pressurized cooling liquid is caused to flow over the lateral surface of the back-up roll (3) and, preferably, also over the lateral surface of the metal product (1). The device comprises a hydrostatic journal bearing (4) extending over the entire length of the back-up roll (3), as well as means (5; 8; 9; 11) for guiding the cooling liquid over the back-up roll (3) and over the metal product (1). <IMAGE>

IPC 1-7

**B22D 11/20**

IPC 8 full level

**B22D 11/128** (2006.01)

CPC (source: EP)

**B22D 11/128** (2013.01)

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU SE

DOCDB simple family (publication)

**EP 0451129 A2 19911009**; BE 1004076 A7 19920922

DOCDB simple family (application)

**EP 91870054 A 19910402**; BE 9000386 A 19900406