

Title (en)

Cooling device for the rolling frame in a continuous casting machine

Title (de)

Kühlanordnung für das Walzgerüst einer Stranggussanlage

Title (fr)

Dispositif de refroidissement pour une cage de laminoir dans une installation de coulée continue

Publication

**EP 1366838 B1 20071128 (DE)**

Application

**EP 02004596 A 20020228**

Priority

EP 02004596 A 20020228

Abstract (en)

[origin: US2003159794A1] A cooling arrangement for the rolling stand of a continuous casting system for heavy supports is provided with spraying nozzles which can be acted upon by cooling liquid and compressed air through supply pipes laid laterally in a longitudinal direction of the rolling stand. Only two supply pipes for cooling liquid and compressed air respectively are assigned to each side of the rolling stand. The supply pipes are laid parallel to one another and are equipped with connection flanges on which connection plates can be mounted in a simple manner and, in turn, are fixedly connected with spraying nozzles. This further development permits a simple mounting and demounting of the spraying nozzles and ensures a precise alignment of the spraying jets with respect to the billet to be processed.

IPC 8 full level

**B22D 11/124** (2006.01)

CPC (source: EP US)

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Cited by

WO2007087893A1; US8522858B2; US8596335B2

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DOCDB simple family (publication)

**US 2003159794 A1 20030828; US 6904953 B2 20050614;** DE 50211289 D1 20080110; EP 1366838 A1 20031203; EP 1366838 B1 20071128

DOCDB simple family (application)

**US 18804202 A 20020703;** DE 50211289 T 20020228; EP 02004596 A 20020228