

Title (en)

High-efficiency device to cool rolled bars.

Title (de)

Hochleistungskühleinrichtung für stangenförmiges Walzgut.

Title (fr)

Dispositif à haute efficacité pour refroidir des barres laminées.

Publication

**EP 0088733 A1 19830914 (EN)**

Application

**EP 83830023 A 19830203**

Priority

IT 8333982 A 19820305

Abstract (en)

Device (10) to cool bars which is located at the outlet of the finishing stand in hot-rolling mills and comprises an outer container (11) in which there is positioned lengthwise a plurality of cooling units (12) separated from each other through which the bars to be cooled pass, said device being characterized by the fact that each cooling unit (12) consists of a plurality of conduits (13) placed in line, whereby the mating ends (213-413) of the conduits forming each cooling unit (12) are conformed so as to create between themselves an annular nozzle (14) which narrows in the direction of the feed of the bars, and whereby a chamber (17) for diffusing cooling liquid under pressure is located inside said outer container (11) and around each annular nozzle (14) and is connected to means (19) which feed cooling liquid under pressure and which are positioned outside said outer container (11).

IPC 1-7

**B21B 45/02**

IPC 8 full level

**B21B 45/02** (2006.01)

CPC (source: EP)

**B21B 45/0224** (2013.01)

Citation (search report)

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