

Title (en)

Apparatus for cooling hot rolled steel rod.

Title (de)

Vorrichtung zum Kühlen warmgewalzter Stahlstäbe.

Title (fr)

Dispositif pour refroidir des barres d'acier laminées à chaud.

Publication

EP 0178799 A2 19860423 (EN)

Application

EP 85306668 A 19850919

Priority

US 65865884 A 19841009

Abstract (en)

A conveyor defines a path along which hot rolled steel rod is transported in the form of overlapping mutually offset rings. Air nozzles are arranged beneath the conveyor path to direct air upwardly against the rings from underlying plenum chambers fed by motor driven fans. Additional water nozzles are arranged to apply water to the rings. Some of the thus applied water is vaporized by the heat of the rod, and the remainder of the water is drained through the air nozzles into the plenum chambers for subsequent removal.

IPC 1-7

B21B 45/02; **C21D 9/52**

IPC 8 full level

B21B 45/02 (2006.01); **B21C 47/26** (2006.01); **C21D 9/52** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP)

B21C 47/262 (2013.01); **C21D 9/5732** (2013.01)

Cited by

BE1014868A3; FR2650298A1; CN110042212A; EP0359279A3; FR2677904A1; CN112538565A; EP0942069A1; CN114891986A; US7354493B2; WO03104501A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0178799 A2 19860423; **EP 0178799 A3 19861230**; BR 8504980 A 19860722; CN 85107297 A 19860730; IN 164702 B 19890513; JP S6192719 A 19860510

DOCDB simple family (application)

EP 85306668 A 19850919; BR 8504980 A 19851008; CN 85107297 A 19851007; IN 730DE1985 A 19850904; JP 22384485 A 19851009