Title (en)

DEVICE FOR THE CONTROLLED COOLING OF WIRE AT ROLLING TEMPERATURE

Publication

EP 0058324 A3 19830323 (DE)

Application

EP 82100662 A 19820130

Priority

DE 3105492 A 19810214

Abstract (en)

[origin: ES8301127A1] Apparatus for cooling rolled wire rod consists of a first part which guides the wire rectilinearly and cools it with water, a turn-laying unit which forms the wire into turns and lays the turns in staggerred disposition on a continuously running conveyor, and a second part comprising the conveyor which allows passage of an approximately vertically directed stream of air to the turns and conveys the wire turns to a coil forming station which collects them. In order to provide substantial adaptability to various cooling requirements by means of simple and inexpensive conversion, the two parts are composed of a plurality of modules of the same modular length or an integral multiple of the modular length. A base frame carries the modules and the turn-laying unit is fixed on the base frame in a longitudinally displaceable manner. Thus, the lengths of the first and second parts can be changed, and individual modules or groups can be replaced.

IPC 1-7

B21B 45/02; C21D 9/573; B21C 47/26

IPC 8 full level

B21B 43/00 (2006.01); **B21B 45/02** (2006.01); **B21C 47/24** (2006.01); **B21C 47/26** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP US)

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

Citation (search report)

- [A] US 3865153 A 19750211 - VITELLI VITO J
- [A] US 3930900 A 19760106 - WILSON NORMAN A
- [A] US 3940967 A 19760302 - VITELLI VITO J

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EP0554733A1; EP0169827A1; US5902422A; EP0849369A3; WO9100368A1; EP0110652B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 82100662 A 19820130; AT 82100662 T 19820130; BR 8200754 A 19820212; DE 3105492 A 19810214; DE 3260798 T 19820130; ES 508738 A 19820114; JP 2136982 A 19820215; US 34731682 A 19820209