Title (en)

APPARATUS FOR HEAT-TREATING A CONTINUOUSLY MOVING METAL WIRE

Publication

EP 0263093 A3 19880810 (DE)

Application

EP 87890213 A 19870914

Priority

AT 257886 A 19860926

Abstract (en)

[origin: EP0263093A2] The device for heat-treating the wire (18), which is looped with several windings around a drum (6) in the heat treatment zone, has at least one tensioning roller (10) which is associated with the drum (6) and is looped by each wire winding in series with the drum and whose axis is displaceable in parallel and/or pivotable with respect to the axis of the drum (6) against the action of a limited tensioning force applied by a tension device (14, 15, 16, 17), whereby breaking of the wire in the case of an operational interruption and stopping of the drum are avoided and, in the case of the tensioning roller axis being pivotable, tight contact of the windings on the drum and on the tensioning roller is additionally ensured (Figure 1). <IMAGE>

IPC 1-7

C21D 9/56

IPC 8 full level

C21D 9/56 (2006.01)

CPC (source: EP US)

C21D 9/56 (2013.01 - EP US)

Citation (search report)

- [A] DE 1206458 B 19651209 - VAUGHN MACHINERY CO
- [A] GB 969191 A 19640909 - SOMERSET WIRE COMPANY LTD [GB]
- [A] GB 1343812 A 19740116 - BRITISH ROPES LTD
- [AD] DE 595364 C 19340413 - KUHNE G M B H
- [A] PATENT ABSTRACTS OF JAPAN, Band 6, Nr. 180 (C-125)[1058], 14. September 1982; & JP-A-57 94 531 (MITSUBISHI DENKI K.K.) 12-06-1982
- [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 94 (C-59)[766], 19. Juni 1981; & JP-A-56 38 425 (TOUHOKU KINZOKU KOGYO K.K.) 13-04-1981

Designated contracting state (EPC)

BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0263093 A2 19880406; **EP 0263093 A3 19880810**; **EP 0263093 B1 19910109**; AT 389321 B 19891127; AT A257886 A 19890415; DE 3767264 D1 19910214; ES 2001331 A4 19880516; ES 2001331 B3 19910701; GR 3001298 T3 19920826; GR 880300106 T1 19881216; JP S6389629 A 19880420; US 4913650 A 19900403

DOCDB simple family (application)

EP 87890213 A 19870914; AT 257886 A 19860926; DE 3767264 T 19870914; ES 87890213 T 19870914; GR 880300106 T 19881216; GR 900401082 T 19910110; JP 23910687 A 19870925; US 9906687 A 19870921