

Title (en)

DEVICE FOR COOLING AND/OR RINSING STEEL WIRES AND/OR TAPES

Title (de)

VORRICHTUNG ZUM KÜHLEN UND ODER SPÜLEN VON STAHLDRÄHTEN ODER BÄNDERN

Title (fr)

DISPOSITIF DE REFROIDISSEMENT ET/OU DE RIN AGE DE FILS ET/ OU RUBANS EN ACIER

Publication

EP 1520051 B1 20110223 (FR)

Application

EP 03756922 A 20030605

Priority

- BE 0300101 W 20030605
- BE 200200373 A 20020606

Abstract (en)

[origin: US7404923B2] Disclosed is a device for cooling and/or rinsing at least one steel wire and/or tape, with a member for conveying at least one steel wire and/or tape, a basin which contains a cooling and/or rinsing liquid and is provided with outlets from which a certain number of successive liquid curtains flow in a turbulent manner, the at least one steel wire and/or tape being conveyed through the liquid curtains, and an adjustor for adjusting the number of successive curtains to be penetrated by the at least one steel wire and/or tape according to the cooling and/or rinsing that is to be obtained.

IPC 8 full level

C21D 1/00 (2006.01); **C21D 9/573** (2006.01); **C21D 1/667** (2006.01); **C23G 3/02** (2006.01)

CPC (source: EP US)

C21D 1/667 (2013.01 - EP US); **C21D 9/573** (2013.01 - EP US); **C21D 9/5732** (2013.01 - EP US); **C23G 3/02** (2013.01 - EP US)

Cited by

CN110191969A; WO2018130499A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 03104500 A1 20031218; AT E499454 T1 20110315; AU 2003249792 A1 20031222; BE 1014869 A3 20040504; CA 2488229 A1 20031218; CA 2488229 C 20110125; CN 100370037 C 20080220; CN 1659291 A 20050824; DE 60336137 D1 20110407; EP 1520051 A1 20050406; EP 1520051 B1 20110223; ES 2358037 T3 20110505; JP 2005529234 A 20050929; JP 4471833 B2 20100602; US 2005173848 A1 20050811; US 7404923 B2 20080729

DOCDB simple family (application)

BE 0300101 W 20030605; AT 03756922 T 20030605; AU 2003249792 A 20030605; BE 200200373 A 20020606; CA 2488229 A 20030605; CN 03812986 A 20030605; DE 60336137 T 20030605; EP 03756922 A 20030605; ES 03756922 T 20030605; JP 2004511558 A 20030605; US 51659304 A 20041203