

Title (en)

APPARATUS AND METHOD FOR COLORING ELECTRIC WIRE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM FÄRBEN VON ELEKTRISCHEN DRÄHTEN

Title (fr)

APPAREIL ET PROCÉDÉ DE COLORATION DE FIL ÉLECTRIQUE

Publication

EP 2243144 A1 20101027 (EN)

Application

EP 08872436 A 20081219

Priority

- JP 2008073897 W 20081219
- JP 2008031348 A 20080213

Abstract (en)

[origin: WO2009101756A1] PROBLEMS To provide an apparatus and a method for coloring an electric wire whereby the coloring material is quickly dried and is prevented from dropping out from the outer surface of the electric wire to surely identify the electric wires, and the coloring pattern is easily changed. MEANS FOR SOLVING PROBLEMS A coloring apparatus 1 colors an outer surface 5a of an electric wire 5 moving in a moving direction P of the electric wire 5. The coloring apparatus 1 includes a roller member 31, and the first to twelfth spouting units 40A to 40L. An outer peripheral wall 31a of the roller member 31 contacts the outer surface 5a of the electric wire 5 and rotates as the electric wire 5 is moved. The first to twelfth spouting units 40A to 40L can spout the coloring materials having different colors from each other onto the outer peripheral wall 31a of the roller member 31.

IPC 8 full level

H01B 13/34 (2006.01); **B05B 12/14** (2006.01); **B05B 13/02** (2006.01); **B05C 1/08** (2006.01); **B05D 1/28** (2006.01); **B05D 5/06** (2006.01); **B05D 7/02** (2006.01); **B05D 7/20** (2006.01)

CPC (source: EP)

B05B 13/0207 (2013.01); **B05C 1/0813** (2013.01); **B05D 1/28** (2013.01); **B05D 7/20** (2013.01); **H01B 13/345** (2013.01); **B05B 12/14** (2013.01); **B05D 5/06** (2013.01); **B05D 7/02** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009101756 A1 20090820; CN 101978438 A 20110216; CN 101978438 B 20130424; EP 2243144 A1 20101027; EP 2243144 A4 20130123; EP 2243144 B1 20150722; JP 2009193747 A 20090827; JP 5285923 B2 20130911; MX 2010008772 A 20100930; PT 2243144 E 20151015

DOCDB simple family (application)

JP 2008073897 W 20081219; CN 200880128093 A 20081219; EP 08872436 A 20081219; JP 2008031348 A 20080213; MX 2010008772 A 20081219; PT 08872436 T 20081219