

Title (en)
ELECTRIC WIRE AND WIRE COLORING APPARATUS

Title (de)
ELEKTRISCHER DRAHT UND DRAHTFÄRBEVORRICHTUNG

Title (fr)
FIL ELECTRIQUE ET APPAREIL DE COLORATION DE FIL

Publication
EP 1477994 A4 20070110 (EN)

Application
EP 03701061 A 20030110

Priority

- JP 0300149 W 20030110
- JP 2002041487 A 20020219
- JP 2002105595 A 20020408

Abstract (en)
[origin: EP1477994A1] An electric wire, which can be easily distinguished from each other and can prevent the deterioration in the quality of the wiring harness to be assembled, and an apparatus for coloring an electric wire are provided. The wire 1 includes a core wire 2 and a coating 3. The coating 3 coats the core wire 2. An outer surface 3a of the coating 3 is provided with a first distinguishable part 4 and marks 5. The first distinguishable part 4 is formed on the whole circumference of the outer surface 3a of the coating 3, which is located near the central part in the longitudinal direction of the wire 1. The outer surface 3a of the first distinguishable part 4 is colored with a first color G, which is different from a color P of non-colored synthetic resin constituting the coating 3. The marks 5 are formed on a non-colored section 6 provided at both ends 1b of the wire 1. A non-colored coating 3 is bared in the non-colored section 6. The mark 5 is formed by coloring a part of the non-colored section 6 with a second color H. <IMAGE>

IPC 8 full level
H01B 7/36 (2006.01); **H01B 13/34** (2006.01)

CPC (source: EP)
H01B 7/361 (2013.01); **H01B 13/34** (2013.01); **H01B 13/345** (2013.01)

Citation (search report)

- [A] GB 1219451 A 19710113 - WESTERN ELECTRIC CO [US]
- See references of WO 03071560A1

Citation (examination)

- US 3197554 A 19650727 - BAKER GENE W
- JP H1031918 A 19980203 - SUMITOMO WIRING SYSTEMS
- GB 1536178 A 19781220 - BOEING CO
- GB 826273 A 19591231 - STANDARD TELEPHONES CABLES LTD
- GB 985240 A 19650303 - HEAD WRIGHTSON & CO LTD

Cited by
FR2962250A1

Designated contracting state (EPC)
PT SK

Designated extension state (EPC)
LT

DOCDB simple family (publication)
EP 1477994 A1 20041117; **EP 1477994 A4 20070110**; AU 2003203153 A1 20030909; CN 100354983 C 20071212; CN 1643622 A 20050720; JP 4511837 B2 20100728; JP WO2003071560 A1 20050616; MX PA04008098 A 20050620; WO 03071560 A1 20030828

DOCDB simple family (application)
EP 03701061 A 20030110; AU 2003203153 A 20030110; CN 03806172 A 20030110; JP 0300149 W 20030110; JP 2003570370 A 20030110; MX PA04008098 A 20030110