

Title (en)

Terminal crimping quality decision method/device and frictional wear state detection method of crimping die

Title (de)

Anordnung und Verfahren zur Prüfung der Crimpqualität von Kontakten sowie Verfahren zur Bestimmung des Reibungsverschleisses der Crimpmatritze

Title (fr)

Dispositif et procédé d'essai de la qualité de sertissage des bornes et procédé de détection de l'état d'usure de friction des matrices de sertissage

Publication

**EP 1071173 B1 20050525 (EN)**

Application

**EP 00115749 A 20000721**

Priority

JP 20873999 A 19990723

Abstract (en)

[origin: EP1071173A2] The terminal crimping quality decision device determines the quality of a terminal crimped on a core of an electrical cable by a terminal crimping apparatus. The device uses a characteristic value envelop obtained when the terminal is crimped on the core. A reference value envelop is obtained from a characteristic value envelop obtained when a terminal is correctly crimped on the core. An increment envelop of the reference value envelop is calculated to obtain at least one singular point of the reference value envelop. The quality of a terminal crimped by the terminal crimping apparatus based on a characteristic value envelop of the crimped terminal. The characteristic value envelop is obtained in an envelop division separated by the singular point. <IMAGE>

IPC 1-7

**H01R 43/048**

IPC 8 full level

**G01R 31/00** (2006.01); **H01R 43/048** (2006.01)

CPC (source: EP)

**H01R 43/0486** (2013.01); **H01R 43/0488** (2013.01)

Cited by

EP1870720A1; EP1873536A1; EP1841019A1; CN104538816A; CN113126003A; US11289866B2; EP1243932A3; EP3396796A1; US10958030B2; US11329441B2; EP2241389A3; WO2020147888A1; US8266968B2

Designated contracting state (EPC)

CH DE LI PT

DOCDB simple family (publication)

**EP 1071173 A2 20010124**; **EP 1071173 A3 20020403**; **EP 1071173 B1 20050525**; CZ 20002697 A3 20010516; CZ 298822 B6 20080213; DE 60020304 D1 20050630; DE 60020304 T2 20060504; JP 2001035629 A 20010209; JP 3627212 B2 20050309; PT 1071173 E 20050930; TR 200002112 A2 20010221

DOCDB simple family (application)

**EP 00115749 A 20000721**; CZ 20002697 A 20000721; DE 60020304 T 20000721; JP 20873999 A 19990723; PT 00115749 T 20000721; TR 200002112 A 20000721