

Title (en)

Connecting system enabling the tightening torque of a screw terminal to be indicated

Title (de)

Anschlussssystem, mit dem das Spannungsmoment einer Schraubenklemme übertragen werden kann

Title (fr)

Système de raccordement permettant de signaler le couple de serrage d'une borne à vis

Publication

EP 2383841 A3 20120328 (FR)

Application

EP 11354007 A 20110322

Priority

FR 1001843 A 20100430

Abstract (en)

[origin: EP2383841A2] The system (50) has detection units for detecting a predetermined tightening torque of a screw and comprising a stop element integrated to a wall (60) and another stop element (40) integrated to a wing. The wing and the wall are adjacent to one another when a screw terminal (10) is fixed in a housing. A determination unit determines a distance separating the stop elements. An indicating unit (42) e.g. LED, is coupled with the determination unit, and indicates when the distance is smaller than or equal to a threshold distance. An independent claim is also included for an electrical equipment comprising a fixed connection strip in a connection tunnel.

IPC 8 full level

H01R 4/36 (2006.01); **H01R 4/48** (2006.01); **H01R 13/641** (2006.01)

CPC (source: EP US)

H01R 4/363 (2013.01 - EP US); **H01R 4/489** (2013.01 - EP US); **H01R 13/641** (2013.01 - EP US); **H01R 13/6683** (2013.01 - EP US); **H01R 4/302** (2013.01 - EP US)

Citation (search report)

- [AD] EP 1271697 A1 20030102 - SCHNEIDER ELECTRIC IND SAS [FR]
- [A] FR 2758212 A1 19980710 - PHILIPPE BARON D [FR]
- [A] EP 1280238 A1 20030129 - HAGER ELECTRO [FR]
- [A] DE 102004017101 A1 20050721 - VOLKSWAGEN AG [DE]

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2383841 A2 20111102; **EP 2383841 A3 20120328**; **EP 2383841 B1 20130130**; CN 102290642 A 20111221; CN 102290642 B 20150506; ES 2400475 T3 20130410; FR 2959613 A1 20111104; FR 2959613 B1 20120420; US 2011269333 A1 20111103; US 8393922 B2 20130312

DOCDB simple family (application)

EP 11354007 A 20110322; CN 201110109994 A 20110429; ES 11354007 T 20110322; FR 1001843 A 20100430; US 201113064669 A 20110407