

Title (en)
Contacting by clamping and rotation for an electrical conductor

Title (de)
Drehklemmkontaktierung für einen elektrischen Leiter

Title (fr)
Contacter par serrage en rotation pour conducteur électrique

Publication
EP 1750330 A2 20070207 (DE)

Application
EP 06016240 A 20060803

Priority
DE 102005036547 A 20050803

Abstract (en)
A conductor clamping device has a retaining area (202) to hold electrical conductors, a clamping element (207) for pressing the electrical conductors against retaining area, a spring element (212), a rotary actuating element (204) and first and second retaining elements. The first and the second retaining elements hold the actuating element in a first position, in which the actuating element fixes the clamping element in position away from the retaining area. In the second position of the actuating element, the spring element pushes the clamping element in the direction of the retaining area to clamp the electrical conductor at the retaining area. The actuating element can be brought in the second position from the first position through the rotary movement.

IPC 8 full level
H01R 4/52 (2006.01)

CPC (source: EP US)
H01R 4/4821 (2023.08 - EP US); **H01R 4/4828** (2023.08 - EP US); **H01R 4/5008** (2013.01 - EP); **H01R 4/505** (2013.01 - EP); **H01R 4/52** (2013.01 - EP); **H01R 4/4835** (2023.08 - EP US); **H01R 4/4842** (2023.08 - EP US); **H01R 4/4848** (2023.08 - EP US)

Citation (applicant)
• DE 10218214 A1 20031218 - GEYER AG [DE]
• DE 29709111 U1 19970724 - SIEMENS AG [DE]
• DE 29811687 U1 19981001 - CONRAD GERD [DE], et al
• DE 19817925 A1 19991028 - WAGO VERWALTUNGS GMBH [DE]
• EP 0806811 A2 19971112 - WEIDMUELLER INTERFACE [DE]

Cited by
CN105081664A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1750330 A2 20070207; **EP 1750330 A3 20070328**; **EP 1750330 B1 20080507**; AT E394811 T1 20080515; DE 102005036547 A1 20070215; DE 502006000739 D1 20080619; NO 20063543 L 20070205

DOCDB simple family (application)
EP 06016240 A 20060803; AT 06016240 T 20060803; DE 102005036547 A 20050803; DE 502006000739 T 20060803; NO 20063543 A 20060803