

Title (en)  
ELECTRICAL APPARATUS HAVING A SCREW TERMINAL

Title (de)  
ELEKTRISCHE VORRICHTUNG MIT SCHRAUBKLEMME

Title (fr)  
DISPOSITIF ÉLECTRIQUE ÉQUIPÉ D'UNE BORNE À VIS

Publication  
**EP 2324532 A1 20110525 (DE)**

Application  
**EP 09778424 A 20090907**

Priority  
• EP 2009006536 W 20090907  
• DE 102008046467 A 20080909

Abstract (en)  
[origin: WO2010028812A1] The subject matter of the invention is an electrical apparatus (1) having a screw terminal for connecting electrical conductors, comprising a housing (3) with an upper face and a lower face (5, 7) and at least two screw shafts (9) which are arranged next to one another in the housing (3), wherein the screw shafts (9) each have a screw feed opening (12) on the upper face (5) and extend in the direction of the lower face (7). A transition region (11) connects the screw shafts (9) to one another. Projections (17) are arranged on the inner face of the screw shafts (9). The invention is characterized in that the projections (17) end at or beneath the level of the upper face (5) of the transition region (11), as viewed from the lower face (7), and also the projections (17) are arranged only outside the transition region (11), or at least one first projection (17) is provided outside the transition region (11) and a second projection is provided inside the transition region (11), wherein the radial extent of the second projection is less than that of the first projection (17).

IPC 8 full level  
**H01R 4/30** (2006.01); **H01R 9/24** (2006.01)

CPC (source: EP US)  
**H01R 4/302** (2013.01 - EP US); **H01R 9/24** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010028812A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008046467 A1 20100311**; CN 102150328 A 20110810; CN 102150328 B 20131106; EP 2324532 A1 20110525; EP 2324532 B1 20150225; ES 2533789 T3 20150414; JP 2012502415 A 20120126; JP 5191569 B2 20130508; PT 2324532 E 20150518; US 2011183552 A1 20110728; US 8303350 B2 20121106; WO 2010028812 A1 20100318

DOCDB simple family (application)  
**DE 102008046467 A 20080909**; CN 200980135900 A 20090907; EP 09778424 A 20090907; EP 2009006536 W 20090907; ES 09778424 T 20090907; JP 2011525472 A 20090907; PT 09778424 T 20090907; US 200913062822 A 20090907