

Title (en)  
SOCKET SAFETY SYSTEM

Title (de)  
STECKDOSENSICHERUNGSSYSTEM

Title (fr)  
SYSTÈME DE SÉCURITÉ DE PRISE DE COURANT

Publication  
**EP 4195420 A1 20230614 (EN)**

Application  
**EP 21464004 A 20211208**

Priority  
EP 21464004 A 20211208

Abstract (en)  
Abstract: Socket safety system consists mainly of a system with two nitinol springs (4) and (4'), respectively (4''), (4'''), tensioned and rigidly attached to the socket support, whose response to the increase in temperature leads to a compression of them, ensuring a firm contact with the terminals of the plug.

IPC 8 full level  
**H01R 13/10** (2006.01); **H01R 4/01** (2006.01); **H01R 13/15** (2006.01); **H01R 13/03** (2006.01); **H01R 24/78** (2011.01)

CPC (source: EP)  
**H01R 4/01** (2013.01); **H01R 13/10** (2013.01); **H01R 13/15** (2013.01); **H01R 13/03** (2013.01); **H01R 24/78** (2013.01)

Citation (applicant)  
POPESCU, L: "Electrical installations and equipment", ED. ALMA MATER, 2004

Citation (search report)  
• [A] US 2013316589 A1 20131128 - LEE CHIU-SAN [TW]  
• [A] US 2016043496 A1 20160211 - SHEN SU-CHEN [TW]  
• [A] EP 3536880 A1 20190911 - STEFAN CEL MARE UNIV OF SUCEAVA [RO]  
• [A] WO 2007006601 A1 20070118 - BOSCH GMBH ROBERT [DE], et al  
• [A] US 4634201 A 19870106 - KEMKA RUDY F [US]  
• [A] DE 102020003938 A1 20201008 - DAIMLER 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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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