

Title (en)  
Assembly with contact spring

Title (de)  
Anordnung mit Kontaktfeder

Title (fr)  
Dispositif avec ressort de contact

Publication  
**EP 2067211 A1 20090610 (DE)**

Application  
**EP 07820245 A 20070917**

Priority  
• EP 2007059769 W 20070917  
• DE 102006044862 A 20060922

Abstract (en)  
[origin: WO2008034791A1] The invention relates to a contact spring (2) in the form of a screw and as a compression spring, which is provided with technical means by which microscopic movements of the contact spring (2) caused by vibrations acting on the contact spring (2) are prevented from exerting an effect on the electrical contacts of the contact spring (2) and thereby causing frictional corrosion in the contacts. This is achieved by the fact that the specific winding (6) of the contact spring (2), which is involved in accomplishing the electrical contact by the application of pressure, is provided with hump-shaped projections (13). Due to these hump-shaped projections (13), point-like electrical contacts at high contact pressure are achieved, and also the microscopic movements are intercepted as secondary hump-shaped projections (13) and compensated.

IPC 8 full level  
**H01R 4/48** (2006.01); **H01R 13/24** (2006.01)

CPC (source: EP)  
**H01R 13/2421** (2013.01); **H01R 4/4863** (2013.01)

Citation (search report)  
See references of WO 2008034791A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008034791 A1 20080327**; DE 102006044862 B3 20080612; EP 2067211 A1 20090610; EP 2067211 B1 20131106

DOCDB simple family (application)  
**EP 2007059769 W 20070917**; DE 102006044862 A 20060922; EP 07820245 A 20070917