

Title (en)  
DOUBLE-CONTACT SWITCH WITH VACUUM SWITCHING CHAMBERS

Title (de)  
DOPPELKONTAKT-SCHALTER MIT VAKUUMSCHALTKAMMERN

Title (fr)  
INTERRUPTEUR À DOUBLE CONTACT POURVU DE CHAMBRES DE COUPURE SOUS VIDE

Publication  
**EP 3084790 A1 20161026 (DE)**

Application  
**EP 14812436 A 20141209**

Priority  
• DE 102013114260 A 20131217  
• EP 2014077006 W 20141209

Abstract (en)  
[origin: CA2934396A1] The invention relates to a double-contact switch with a first and a second tubular vacuum switching chamber (1, 3); a stationary electrode (4) which is arranged between the first and second vacuum switching chamber and which comprises a first stationary contact (41) that protrudes into the first vacuum switching chamber (1) and a second stationary contact (42) that protrudes into the second vacuum switching chamber (3); a first electrode (11) which is arranged in the first vacuum switching chamber (1), can be moved in said chamber in the axial direction, and comprises a region that supports a contact (12) and is sealed off from the exterior of the first vacuum switching chamber (1) in a gas-tight manner; a second electrode (31) which is arranged in the second vacuum switching chamber (3), can be moved in said chamber in the axial direction, and comprises a region that supports a contact (32) and is sealed off from the exterior of the second vacuum switching chamber (3) in a gas-tight manner; a first contact compression spring (51) for applying a first spring force to the first movable electrode (11) such that the contact (12) of the first electrode (11) is pressed onto the stationary contact (41) protruding into the first vacuum switching chamber (1); and a second contact compression spring (52) for applying a second spring force to the second movable electrode (31) such that the contact (32) of the second electrode (31) is pressed onto the stationary contact (42) protruding into the second vacuum switching chamber (3), the first spring force being measured so as to be smaller than the second spring force.

IPC 8 full level  
**H01H 9/54** (2006.01); **H01H 33/14** (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP RU US)  
**H01H 9/54** (2013.01 - RU); **H01H 9/542** (2013.01 - EP US); **H01H 33/14** (2013.01 - RU); **H01H 33/66207** (2013.01 - US); **H01H 33/66238** (2013.01 - US); **H01H 33/664** (2013.01 - US); **H01H 33/6647** (2013.01 - EP US); **H01H 33/666** (2013.01 - US); **H01H 89/00** (2013.01 - US); **H01H 33/14** (2013.01 - EP US); **H01H 2033/66215** (2013.01 - US); **H01H 2033/66223** (2013.01 - US); **H01H 2235/01** (2013.01 - US)

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)  
**DE 102013114260 A1 20150618**; CA 2934396 A1 20150625; CN 105830187 A 20160803; CN 105830187 B 20181102; EP 3084790 A1 20161026; RU 2016128719 A 20180123; RU 2668562 C1 20181002; US 2016322185 A1 20161103; US 9741513 B2 20170822; WO 2015091096 A1 20150625

DOCDB simple family (application)  
**DE 102013114260 A 20131217**; CA 2934396 A 20141209; CN 201480068740 A 20141209; EP 14812436 A 20141209; EP 2014077006 W 20141209; RU 2016128719 A 20141209; US 201415104993 A 20141209