

Title (en)
DOUBLE-BREAK RELAY

Title (de)
RELAIS MIT DOPPELUNTERBRECHUNG

Title (fr)
RELAIS À DOUBLE COUPURE

Publication
EP 3005388 B1 20170607 (DE)

Application
EP 14718073 A 20140416

Priority
• DE 102013209688 A 20130524
• EP 2014057713 W 20140416

Abstract (en)
[origin: WO2014187620A1] The disclosed relay (1) for closing or interrupting the current circuit between two relay terminal contacts (2, 3) comprises two contact springs (41, 42), the opposite ends (5) of which are fastened in an electrically conducting manner to the relay terminal contacts (2, 3) and the other, deflectable free ends (6) of which face each other, further comprises a stationary, electrically conducting contact bridge (7) against which the free ends (6) of the springs rest in the closed position of the relay and from which the free ends (6) of the springs are raised in the open position of the relay, and comprises a single magnetic drive (8) for synchronously deflecting the two contact springs (41, 42) in the same direction into the closed or open position of the relay.

IPC 8 full level
H01H 1/26 (2006.01); **H01H 1/20** (2006.01); **H01H 50/54** (2006.01); **H01H 50/56** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)
H01H 1/26 (2013.01 - EP US); **H01H 50/20** (2013.01 - US); **H01H 50/56** (2013.01 - EP US); **H01H 50/58** (2013.01 - US);
H01H 1/20 (2013.01 - EP US); **H01H 50/546** (2013.01 - EP US); **H01H 50/641** (2013.01 - EP 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

DOCDB simple family (publication)
DE 102013209688 A1 20141127; DE 102013209688 B4 20191205; CN 105408976 A 20160316; CN 105408976 B 20181019;
EP 3005388 A1 20160413; EP 3005388 B1 20170607; ES 2631803 T3 20170905; KR 101851839 B1 20180611; KR 101879801 B1 20180816;
KR 20160013911 A 20160205; KR 20170129976 A 20171127; US 2016071676 A1 20160310; US 9704683 B2 20170711;
WO 2014187620 A1 20141127

DOCDB simple family (application)
DE 102013209688 A 20130524; CN 201480029004 A 20140416; EP 14718073 A 20140416; EP 2014057713 W 20140416;
ES 14718073 T 20140416; KR 20157035310 A 20140416; KR 20177033418 A 20140416; US 201514944108 A 20151117