

Title (en)
RADIO-FREQUENCY BLOCKING FILTER

Title (de)
HOCHFREQUENZ-SPERRFILTER

Title (fr)
FILTRE DE COUPURE DE HAUTE FRÉQUENCE

Publication
EP 2920840 B1 20161005 (DE)

Application
EP 13792597 A 20131114

Priority
• DE 102012022433 A 20121115
• EP 2013003438 W 20131114

Abstract (en)
[origin: WO2014075805A1] An improved radio-frequency filter is distinguished by the following features: the radio-frequency blocking filter (1) comprises an input terminal (20, 40) and an output terminal (30, 40), wherein the signal line (50) is galvanically connected or capacitively coupled firstly to the input terminal (20, 40) and secondly to the output terminal (30, 40), the signal line (50), with the formation in each case of a capacitive inner conductor and/or resonator coupling (65), runs past the relevant inner conductor (16) through the resonators (10) of the radio-frequency blocking filter (1), in this case the signal line (50) has at least one galvanic isolation location in the form of a capacitive isolation location (60'), the capacitive isolation location (60') is spaced apart from the inner conductors (16) and capacitively coupled thereto, and the resonators (10) and/or the inner conductors (16) are in each case capacitively coupled to the signal line (50).

IPC 8 full level
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CPC (source: EP US)
H01P 1/202 (2013.01 - US); **H01P 1/2053** (2013.01 - EP US); **H01P 7/04** (2013.01 - EP US)

Designated contracting state (EPC)
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