Title (en)

PATCH RADIATOR

Title (de)

PATCH-STRAHLER

Title (fr)

ÉLÉMENT RAYONNANT "PATCH"

Publication

**EP 2721690 A1 20140423 (DE)**

Application

**EP 12778953 A 20121004**

Priority

- DE 102011117690 A 20111104
- DE 102012016627 A 20120822
- EP 2012004161 W 20121004

Abstract (en)

[origin: WO2013064204A1] An improved patch radiator is characterised by the following additional features: the radiator surface (11) is designed as an annular and/or frame-shaped radiator surface (11), extending around a recess area (13), - the radiator surface (11) is extended so as to transition into the lateral surfaces or lateral walls (3c), and on the lateral surfaces or lateral walls (3c), a lateral surface radiator structure (18) electrically connected to the radiator surface (11) is formed, comprising, in the peripheral direction of the lateral surfaces or lateral walls (3c), lateral radiator surface sections (19), between which electrically non-conductive recess areas (20) are provided.

IPC 8 full level

**H01Q 9/04** (2006.01)

CPC (source: EP RU US)

**H01Q 1/38** (2013.01 - US); **H01Q 9/04** (2013.01 - RU); **H01Q 9/0414** (2013.01 - EP US); **H01Q 9/0428** (2013.01 - EP US); **H01Q 9/0442** (2013.01 - EP US); **H01Q 9/0464** (2013.01 - EP US)

Citation (search report)

See references of WO 2013064204A1

Cited by

DE202022002816U1; DE102022203585A1; WO2023193849A1

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DOCDB simple family (publication)

**WO 2013064204 A1 20130510**; CN 103959557 A 20140730; CN 103959557 B 20161214; EP 2721690 A1 20140423; EP 2721690 B1 20151230; JP 2014534761 A 20141218; JP 6100272 B2 20170322; KR 20140089578 A 20140715; RU 2014122548 A 20151210; RU 2587105 C2 20160610; US 2014285382 A1 20140925; US 9647328 B2 20170509

DOCDB simple family (application)

**EP 2012004161 W 20121004**; CN 201280053968 A 20121004; EP 12778953 A 20121004; JP 2014539251 A 20121004; KR 20147015214 A 20121004; RU 2014122548 A 20121004; US 201214356337 A 20121004