

Title (en)
Reflecting-trap antenna

Title (de)
Antenne mit reflektierender Störstelle

Title (fr)
Antenne à piège réfléchissant

Publication
EP 2058901 B1 20100714 (FR)

Application
EP 08168505 A 20081106

Priority
FR 0758847 A 20071107

Abstract (en)
[origin: EP2058901A1] The antenna has a group of aligned radiating elements (2) e.g. dipoles, and a reflector (3) comprising a flat part (4) on which the elements are placed. The reflector has lateral edges (5) longitudinally folded on both sides of the elements. A reflecting trap (10) is placed outside a space separating the radiating elements of the folded lateral edges of the reflector. The reflecting trap is formed from an aluminum sheet folded in U shape, where outer surface (11) of one of U- branches cooperates with an outer surface (12) of the lateral edge of the reflector.

IPC 8 full level
H01Q 21/08 (2006.01); **H01Q 19/10** (2006.01)

CPC (source: EP US)
H01Q 1/246 (2013.01 - EP US); **H01Q 19/106** (2013.01 - EP US); **H01Q 21/08** (2013.01 - EP US)

Cited by
WO2011026034A3; WO2011085650A1; CN105706295A; US9590317B2; US11652278B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2058901 A1 20090513; **EP 2058901 B1 20100714**; AT E474344 T1 20100715; DE 602008001767 D1 20100826; FR 2923323 A1 20090508; FR 2923323 B1 20110408; US 2010013729 A1 20100121; US 8928548 B2 20150106

DOCDB simple family (application)
EP 08168505 A 20081106; AT 08168505 T 20081106; DE 602008001767 T 20081106; FR 0758847 A 20071107; US 26623408 A 20081106