

Title (en)
Radome with integrated plasma shutter

Title (de)
Radom mit darin integriertem Plasmaverschluss

Title (fr)
Radome doté d'une fermeture à plasma intégrée

Publication
EP 2053690 B1 20110803 (DE)

Application
EP 08018110 A 20081016

Priority
DE 102007051243 A 20071026

Abstract (en)
[origin: EP2053690A1] The radome (1) has an integrated plasma closure comprising a plasma guiding layer and electrodes (10, 11) for plasma excitation, where the radome has a sandwich structure with a honeycomb core (9) and cover plates (12, 13). The plasma guiding layer is contained in the honeycomb core. The electrodes are arranged between the honeycomb core and the cover plates, and are high frequency (HF) transparent in an operating frequency range of an antenna. The electrodes comprise frequency-selective layers, which are applied as band pass filters in the operating frequency range of the antenna.

IPC 8 full level
H01Q 1/42 (2006.01)

CPC (source: EP US)
H01Q 1/422 (2013.01 - EP US); **H01Q 1/425** (2013.01 - EP US)

Cited by
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DE FR GB

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EP 2053690 A1 20090429; EP 2053690 B1 20110803; DE 102007051243 B3 20090409; US 2009109115 A1 20090430; US 8159407 B2 20120417

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EP 08018110 A 20081016; DE 102007051243 A 20071026; US 25755508 A 20081024