

Title (en)

MODULAR UNIT FOR A RADAR ANTENNA ARRAY WITH INTEGRATED HF CHIP

Title (de)

MODULEINHEIT FÜR EINE RADAR-ANTENNENANORDNUNG MIT INTEGRIERTEM HF-CHIP

Title (fr)

UNITE MODULAIRE POUR UN SYSTEME D'ANTENNE RADAR COMPRENANT UNE PUCE HF INTEGREE

Publication

EP 1958000 A1 20080820 (DE)

Application

EP 06819349 A 20061109

Priority

- EP 2006068271 W 20061109
- DE 102005056754 A 20051129
- DE 102006009012 A 20060227

Abstract (en)

[origin: DE102006009012A1] The modular unit has a microwave structure antenna element, and a focusing element (200) located in a beam path of the radar antenna array upstream of the antenna element by which an amplified illumination of a HF chip (100) is achieved. An add-on device (115, 120) is provided which allows addition of focusing elements (200) of various antenna characteristics to the modular unit. The add-on device has a fastener such as clamp-on elements (120) or plug-in elements. Positioning elements (115) are additionally provided and add the focusing element to the modular unit with a required precision. An independent claim is included for a focusing element, and a method for the production of a module unit for a radar antenna arrangement.

IPC 8 full level

G01S 7/03 (2006.01); **H01Q 13/24** (2006.01)

CPC (source: EP US)

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