

Title (en)  
HIGH EFFICIENCY ANTENNA AND RELATED MANUFACTURING PROCESS

Title (de)  
HOCHEFFIZIENTE ANTENNE UND ZUGEHÖRIGE HERSTELLUNGSVERFAHREN

Title (fr)  
ANTENNE A HAUT RENDEMENT ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication  
**EP 1842265 B1 20171101 (EN)**

Application  
**EP 05823808 A 20051129**

Priority

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- IT RM20040605 A 20041210

Abstract (en)  
[origin: WO2006061865A1] The invention concerns an array plane antenna (1, 1'), comprising a set of at least two reception and/or5 transmission radiating elements fed by means of at least one beam forming network or BFN of the parallel type, characterised in that each one of said radiating elements comprises a shaped aperture (2), and in that at least one BFN network is made through wave guides (3) directly obtained from the bulk of the antenna (1, 1'), so that each one of the shaped apertures (2) is an input and/or output horn (4) of a wave guide (3) of the BFN network. The invention further concerns the process of manufacturing such plane antenna.

IPC 8 full level  
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Cited by  
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