

Title (en)  
LENS/POLARIZER/RADOME

Publication  
**EP 0310414 A3 19900425 (EN)**

Application  
**EP 88309094 A 19880930**

Priority  
US 10377887 A 19871002

Abstract (en)  
[origin: EP0310414A2] To modify the antenna pattern of an existing array antenna (12), a unitary assembly made up of a dielectric lens (13) of appropriate shape, a horizontal polarization filter (17), a circular polarizer (19) and absorbing material (21,23,24) are disposed to cover the aperture of the existing array antenna (12). A quarter-wave matching element (15) is provided on the transmission faces of the lens (13). The circular polarizer (19) is made of five layers of dielectric material, each layer being provided with a directional pattern of metallic meander lines (19a, 19b, 19c, 19d, 19e).

IPC 1-7  
**H01Q 15/24**; **H01Q 17/00**; **H01Q 19/06**; **H01Q 1/42**

IPC 8 full level  
**H01Q 1/42** (2006.01); **H01Q 15/24** (2006.01); **H01Q 17/00** (2006.01); **H01Q 19/06** (2006.01)

CPC (source: EP)  
**H01Q 1/425** (2013.01); **H01Q 15/244** (2013.01); **H01Q 17/001** (2013.01); **H01Q 19/06** (2013.01)

Citation (search report)  
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