

Title (en)  
HIGH-EFFICIENCY ANTENNA

Publication  
**EP 0241921 B1 19920108 (FR)**

Application  
**EP 87105544 A 19870414**

Priority  
FR 8605359 A 19860415

Abstract (en)  
[origin: EP0241921A1] Antenna comprising a reflector (11) consisting of a base (8) and of walls (9) directed perpendicular to this base and of cylindrical shape, inside which is arranged a radiating device (10) in the direction perpendicular to this base. The radiating device (10) comprises at least one wire (21) helically wound on either side of the axis of symmetry of the reflector, which is the radiating axis ( DELTA ) of the said device, each wire being short-circuited to the reflector via its end situated on the base side of this reflector (11) and being fed via its other end. Application in particular to the field of array antennas. <IMAGE>

IPC 1-7  
**H01Q 11/08**; **H01Q 19/185**

IPC 8 full level  
**H01Q 11/08** (2006.01); **H01Q 19/185** (2006.01)

CPC (source: EP)  
**H01Q 11/08** (2013.01); **H01Q 19/185** (2013.01)

Cited by  
US6181297B1; US5170176A; US5945963A; EP0469741A1; US5191352A; US6300917B1; US6690336B1; US6369776B1; US6552693B1; WO9802936A1

Designated contracting state (EPC)  
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0241921 A1 19871021**; **EP 0241921 B1 19920108**; DE 3775812 D1 19920220; ES 2028820 T3 19920716; FR 2597267 A1 19871016; FR 2597267 B1 19880722

DOCDB simple family (application)  
**EP 87105544 A 19870414**; DE 3775812 T 19870414; ES 87105544 T 19870414; FR 8605359 A 19860415