

Title (en)

HYBRID MESH AND RF REFLECTOR EMBODYING THE MESH

Publication

EP 0290124 A3 19900321 (EN)

Application

EP 88302473 A 19880322

Priority

US 4680987 A 19870507

Abstract (en)

[origin: EP0290124A2] A hybrid microwave reflective mesh (28) and an antenna reflector having an RF reflecting surface composed of the mesh. The hybrid mesh includes a supporting mesh (34) of any conveniently fabricatable mesh size, which may be substantially larger than the RF wavelengths to be reflected, and a relatively fine, compliant, electrically conductive mesh fabric (36) overlying and secured to the supporting mesh and having a mesh gauge sized to reflect the desired RF wavelengths.

IPC 1-7

H01Q 15/16

IPC 8 full level

H01Q 15/14 (2006.01); **H01Q 15/16** (2006.01); **H01Q 15/20** (2006.01)

CPC (source: EP)

H01Q 15/161 (2013.01)

Citation (search report)

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- [A] US 4609923 A 19860902 - BOAN BOBBY J [US], et al
- [A] FR 2587548 A1 19870320 - MESSERSCHMITT BOELKOW BLOHM [DE]
- [X] MICROWAVES, March 1974, page 14; S.V. BEARSE: "Knitted antenna solving knotty problems"
- [X] ZEITSCHRIFT FÜR FLUGWISSENSCHAFTEN UND WELTRAUMFORSCHUNG, vol 4, no. 5, September/October 1980, pages 255-267, Köln, DE; W. SCHÄFER: "Stand der Technik auf dem Gebiet grösserer entfaltbarer Parabolantennen-Strukturen für Raumfluggeräte"
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 309 (E-447)[2365], 21st October 1986; & JP-A-61 123 205 (NIPPON TELEGR. & TELEPH. CORP.<NTT>) 11-06-1986

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GB2240662A; EP0519775A1; FR2678111A1; US5440320A

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EP 0290124 A2 19881109; EP 0290124 A3 19900321; JP H0728174 B2 19950329; JP S6439103 A 19890209

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