

Title (en)
SCANNING DUAL REFLECTOR ANTENNA

Publication
EP 0139482 A3 19860716 (EN)

Application
EP 84306454 A 19840921

Priority
GB 8325386 A 19830922

Abstract (en)
[origin: EP0139482A2] An antenna system, on a spacecraft for example, comprises a movable reflector dish so that the antenna pointing direction can be varied or scanned and a fixed feed. To reduce separation of the feed from the focal point of the dish during such scanning, the feed is positioned at the point about which the dish is movable and is directed towards a convex auxiliary dish fixed to and movable with the main dish and producing a virtual image of the feed at the focal point of the main dish.

IPC 1-7
H01Q 3/20

IPC 8 full level
H01Q 3/08 (2006.01); **H01Q 3/20** (2006.01)

CPC (source: EP)
H01Q 3/20 (2013.01)

Citation (search report)
• [A] US 3845483 A 19741029 - SOMA S, et al
• [A] GB 2031655 A 19800423 - MARCONI CO LTD
• [A] US 3708795 A 19730102 - LYONS J
• [A] FR 2074724 A1 19711008 - COMP GENERALE ELECTRICITE
• [A] AP-S INTERNATIONAL SYMPOSIUM, 11th-15th October 1976, Amherst, US, pages 20-23, IEEE, New York, US; L.J. COOPER et al.: "Off-axis patterns of high-efficiency and conventional cassegrain antennas with multimode feed horns"

Cited by
WO2011054669A1; FR2952238A1; CN102656746A; CN109301452A; EP0656671A1; FR2713404A1; US5796370A; US10230164B2; US8878745B2; US7911403B2; US8228253B2

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