

Title (en)
Cassegrain antenna for TVRO application.

Title (de)
Cassegrain-Antenne für Fernsehempfang.

Title (fr)
Antenne Cassegrain pour réception de télévision.

Publication
EP 0196734 A2 19861008 (EN)

Application
EP 86300149 A 19860110

Priority
• US 71751485 A 19850328
• US 74024185 A 19850531

Abstract (en)
An antenna is of the Cassegrain type with a main reflector, subreflector and horn, all circularly symmetric. The horn is corrugated and profiled with the near field focal point of the feed deep within the horn. The main reflector and subreflector are shaped in accordance with the horn pattern to optimize the energy distribution over the aperture of the main reflector. The subreflector, horn, and superstructure of the main reflector may all be of plastic molded construction.

IPC 1-7
H01Q 19/19; **H01Q 15/16**

IPC 8 full level
H01Q 15/14 (2006.01); **H01Q 19/19** (2006.01)

CPC (source: EP)
H01Q 15/142 (2013.01); **H01Q 19/19** (2013.01)

Cited by
GB2231445A; EP1825567A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0196734 A2 19861008; **EP 0196734 A3 19880803**; AU 5241886 A 19861002

DOCDB simple family (application)
EP 86300149 A 19860110; AU 5241886 A 19860115