

Title (en)

Antenna beamforming device for channel multiplex systems

Title (de)

Vorrichtung zur Antennenstrahlbildung für Multiplexkanäle

Title (fr)

Unité de formation de faisceau de canaux multiplexés

Publication

EP 0856908 B1 20040922 (FR)

Application

EP 98400184 A 19980129

Priority

FR 9701153 A 19970203

Abstract (en)

[origin: EP0856908A1] The unit can be used to combine N channel signals (R0,R1,R2), which are produced respectively by N separate sources (30,31,32). A collector array (50) is used for the N signals which are received along directions defined by the lobes of arrays associated with the collector array. Focussing is achieved using reflectors (40,41,42), with each one reflecting an associated channel signal back onto the collector array. The reflectors are concave and are preferably sections of a parabolic arc or sections of a paraboloid surface.

IPC 1-7

H01Q 19/19

IPC 8 full level

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EP 0856908 A1 19980805; **EP 0856908 B1 20040922**; CA 2226334 A1 19980803; DE 69826341 D1 20041028; DE 69826341 T2 20050317; FR 2759204 A1 19980807; FR 2759204 B1 19990226; JP H10294703 A 19981104; US 6023248 A 20000208

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