

Title (en)  
ARRAY ANTENNA

Title (de)  
GRUPPENANTENNE

Title (fr)  
ANTENNE-RESEAU

Publication  
**EP 4046241 A1 20220824 (FR)**

Application  
**EP 20793760 A 20201007**

Priority  
• FR 1911539 A 20191016  
• FR 2020051764 W 20201007

Abstract (en)  
[origin: WO2021074505A1] An array antenna (100) is formed from delay lines (L1, L2, L3...) and includes radiating elements (E11, E12, E21...) which are individually connected to line patterns (M11, M12, M21...) of the delay lines. Such an array antenna structure can be implemented by a printed circuit technology and can be used to establish radio links for data communication between a mobile carrier, such as an aircraft, and a geostationary satellite.

IPC 8 full level  
**H01Q 13/20** (2006.01); **H01Q 1/28** (2006.01); **H01Q 3/36** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/08** (2006.01)

CPC (source: EP US)  
**H01Q 1/28** (2013.01 - US); **H01Q 1/32** (2013.01 - US); **H01Q 1/34** (2013.01 - US); **H01Q 3/2682** (2013.01 - US); **H01Q 3/36** (2013.01 - EP); **H01Q 13/206** (2013.01 - EP); **H01Q 13/26** (2013.01 - US); **H01Q 21/0075** (2013.01 - US); **H01Q 21/065** (2013.01 - EP); **H01Q 21/08** (2013.01 - EP); **H01Q 1/28** (2013.01 - EP)

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 3102311 A1 20210423**; **FR 3102311 B1 20220624**; EP 4046241 A1 20220824; EP 4046241 B1 20231129; US 12034211 B2 20240709; US 2024136729 A1 20240425; US 2024235047 A9 20240711; WO 2021074505 A1 20210422

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