

Title (en)
Multiple feeding method for IC compatible multi-layer planar antennas and IC compatible multi-layer planar antenna with multiple feeding points

Title (de)
Mehrfachspeisungsverfahren für IC-kompatible mehrschichtige Planarantennen und IC-kompatible mehrschichtige Planarantenne mit mehreren Einspeisungspunkten

Title (fr)
Méthode pour alimentation multiple d'une antenne planaire multicouche compatible IC et antenne compatible IC planaire multicouche avec alimentation multiple

Publication
EP 1933419 A1 20080618 (EN)

Application
EP 06077257 A 20061215

Priority
EP 06077257 A 20061215

Abstract (en)
A feeding method for an IC compatible multi-layer planar antenna (10), said antenna comprising a ground plane (11) and Li substantially parallel plates (12), $i=1, 2, \dots, N$ with $N \geq 2$, the method comprising: - at least providing first current injection means (20, 21) in a first plate L 1, for injecting current to a first layer and providing second current injection means (20', 21') in a second plate L 2, for injecting a current to a second layer, the method further comprising - injecting a current to said first current injection means and simultaneously or sequentially injecting current to said second current injection means, whereby the antenna operates at a first operating frequency-band f 1 and/or at a second operating frequency-band f 2. The invention also relates to an IC compatible multi-layer planar antenna with multiple feeding points.

IPC 8 full level
H01Q 9/04 (2006.01)

CPC (source: EP)
H01Q 9/0414 (2013.01); **H01Q 9/0435** (2013.01)

Citation (search report)
• [X] US 5270722 A 19931214 - DELESTRE XAVIER [FR]
• [X] US 4070676 A 19780124 - SANFORD GARY G
• [A] WO 9934477 A1 19990708 - HSIN HSIEN CHUNG [US]
• [A] US 3921177 A 19751118 - MUNSON ROBERT E
• [A] WO 2006071139 A1 20060706 - ERICSSON TELEFON AB L M [SE], et al

Cited by
WO2023024023A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1933419 A1 20080618

DOCDB simple family (application)
EP 06077257 A 20061215