

Title (en)
ANTENNA STRUCTURE WITH PATCH ELEMENTS

Title (de)
ANTENNENSTRUKTUR MIT PATCH-ELEMENTEN

Title (fr)
STRUCTURE D'ANTENNE A ELEMENTS PLAQUES

Publication
EP 1782502 B1 20121010 (DE)

Application
EP 05758394 A 20050617

Priority
• EP 2005052822 W 20050617
• DE 102004039743 A 20040817

Abstract (en)
[origin: WO2006018338A1] The invention relates to an antenna structure consisting of several serially supplied patch elements, wherein a slot coupling (31,33) is provided on one of the patch elements opposite the transmission supply line (50b) in order to influence the radiant emittance of said patch element.

IPC 8 full level
H01Q 21/06 (2006.01); **H01Q 9/04** (2006.01); **H01Q 21/00** (2006.01)

CPC (source: EP US)
H01Q 9/045 (2013.01 - EP US); **H01Q 21/0075** (2013.01 - EP US); **H01Q 21/065** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 102004039743 A1 20060223; EP 1782502 A1 20070509; EP 1782502 B1 20121010; US 2008211720 A1 20080904; US 7920094 B2 20110405; WO 2006018338 A1 20060223

DOCDB simple family (application)
DE 102004039743 A 20040817; EP 05758394 A 20050617; EP 2005052822 W 20050617; US 66042405 A 20050617