

Title (en)
A MULTI-PORT SLOT ANTENNA WITH GROUND CONTINUITY

Title (de)
MEHRPORT-SCHLITZANTENNE MIT ERDUNGSKONTINUITÄT

Title (fr)
ANTENNE À FENTE MULTI-PORTS COMPORTANT UNE MISE À LA MASSE

Publication
EP 3576219 A1 20191204 (EN)

Application
EP 18305667 A 20180531

Priority
EP 18305667 A 20180531

Abstract (en)
When a multi-port slot antenna exhibits disjoint ground planes for the different ports due to the arrangements of the slots, a salient idea is to use high impedance lines loaded by discrete RF inductors for connecting the different grounds related to the different ports of the multi-port slot antenna. The inductor exhibits a very low impedance from a Direct Current (DC) point of view and very high impedance (several hundreds to few kilos of Ohms) at the operating Radio Frequency (RF). Hence, this will achieve a continuous DC ground without affecting the RF performance of the antenna.

IPC 8 full level
H01Q 1/22 (2006.01); **H01Q 13/10** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)
H01Q 1/2291 (2013.01); **H01Q 13/106** (2013.01); **H01Q 21/28** (2013.01)

Citation (search report)

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