

Title (en)
APERTURE-COUPLED ANTENNA

Title (de)
APERTURGEKOPPELTE ANTENNE

Title (fr)
ANTENNE A ORIFICE COUPLE

Publication
EP 1842262 B1 20080813 (DE)

Application
EP 06706706 A 20060207

Priority

- EP 2006001056 W 20060207
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Abstract (en)
[origin: US2007296634A1] An aperture-coupled antenna has a first radiation electrode, a ground area and a wave guide which is implemented to supply energy to the antenna. The wave guide is arranged spaced apart from the ground area on a first side of the ground area, and the first radiation electrode is arranged spaced apart from the ground area on a second side of the ground area. The ground area has an aperture including a first slot in the ground area, a second slot in the ground area and a third slot in the ground area. The first slot and the second slot together form a slot in the shape of a cross. The third slot passes through an intersection of the first slot and the second slot. The wave guide and the radiation electrode are arranged such that energy can be coupled from the wave guide through the aperture to the patch.

IPC 8 full level
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