

Title (en)

COMPACT RADIATING ELEMENT HAVING RESONANT CAVITIES

Title (de)

KOMPAKTES STRAHLUNGSELEMENT MIT HOHLRAUMRESONATOREN

Title (fr)

ELEMENT RAYONNANT COMPACT A CAVITES RESONANTES

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Application

EP 11717197 A 20110429

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Abstract (en)

[origin: WO2011134666A1] The invention relates to a radiating element (30, 50), e.g., for a network antenna, having stacked Fabry-Pérot resonant cavities (31, 32) of a compact structure, a lower cavity (32) being supplied by energizing means (33), the radiating element (30, 50) being characterized in that corrugations are formed substantially beneath a first floorplan, which, at the lower portion thereof, defines the upper resonant cavity (31). The invention further relates to a radiating element structure (30, 50) of improved compactness, on the upper cavity (31) of which a polarizing radome (51) is mounted.

IPC 8 full level

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