

Title (en)

ANTENNA ARRAY WITH AT LEAST ONE DIPOLE-TYPE EMITTER ARRANGEMENT

Title (de)

ANTENNENANORDNUNG MIT ZUMINDEST EINER DIPOLFÖRMIGEN STRAHLERANORDNUNG

Title (fr)

ANTENNE RÉSEAU POURVUE D'AU MOINS UN ENSEMBLE ÉLÉMENT RAYONNANT DE TYPE DIPÔLE

Publication

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Application

**EP 17735116 A 20170704**

Priority

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- EP 2017066561 W 20170704

Abstract (en)

[origin: WO2018007348A1] An antenna array (20) with at least one dipole-type emitter arrangement (1), wherein the at least one dipole-type emitter arrangement (1) comprises two pairs (2, 3) of emitter halves (2a, 2b, 3a, 3b), which transmit and/or receive on two polarization planes (4a, 4b) that are perpendicular to one another. The emitter halves (2a, 2b, 3a, 3b) can be or are arranged on an emitter plane (5) at a distance from a reflector (6) and run parallel to said reflector. Two electrically conductive partial circumferential frames (15a, 15b, 15c) are provided, which are disposed between the emitter plane (5) and the reflector (6) at a distance from one another, wherein the at least two electrically conductive partial circumferential frames (15a, 15b, 15c) define one opening (17). The at least two partial circumferential frames (15a, 15b, 15c) are oriented parallel to the emitter plane (5). Each of the two partial circumferential frames (15a, 15b, 15c) comprises at least one gap (16), which extends through the entire width of the partial circumferential frame (15a, 15b, 15c), so that each partial circumferential frame (15a, 15b, 15c) comprises at least two ends.

IPC 8 full level

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