

Title (en)
Method for determining an antenna array

Title (de)
Verfahren zu Bestimmung eines Antennennetzes

Title (fr)
Procédé de détermination d'un réseau antenneaire

Publication
EP 2840654 B1 20200617 (FR)

Application
EP 14181017 A 20140814

Priority
FR 1358089 A 20130820

Abstract (en)
[origin: US2015054688A1] A method for generating an electromagnetic wave with an antenna array, the antenna array including at least one antenna, at least one circuit having parameters having an influence on the electromagnetic wave generated by the antenna array and connected to at least one antenna, and the method comprising: selecting a criterion to be met for the wave generated by the antenna array; determining desired decomposition coefficients of a wave in a basis giving the possibility of attaining the selected criterion; and calculating the parameters having an influence on the electromagnetic wave generated by the antenna array for each circuit of the antenna array so that the difference between the decomposition coefficients on the basis of the wave generated by the antenna array and the desired decomposition coefficients be minimal.

IPC 8 full level
H01Q 5/385 (2015.01); **H01Q 5/00** (2015.01); **H01Q 19/30** (2006.01)

CPC (source: EP US)
H01Q 5/385 (2015.01 - EP US); **H01Q 19/30** (2013.01 - EP US); **H01Q 23/00** (2013.01 - US)

Cited by
FR3117686A1; EP4203191A1; FR3131106A1; EP4012839A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2840654 A1 20150225; **EP 2840654 B1 20200617**; FR 3009897 A1 20150227; FR 3009897 B1 20150814; US 2015054688 A1 20150226; US 9917376 B2 20180313

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