

Title (en)

Interference reduction in cellular base station

Title (de)

Interferenzreduzierung in einer zellularen Basisstation

Title (fr)

Réduction de l'interférence dans une station de base cellulaire

Publication

EP 2541675 A1 20130102 (EN)

Application

EP 11290297 A 20110630

Priority

EP 11290297 A 20110630

Abstract (en)

The disclosure relates to a system comprising an antenna (ANT) divided in two symmetric parts. Each part comprises a respective radiation element (RE_1, RE_2). The system is arranged to feed a first signal into a first radiation element (RE_1) of a first part of the antenna (ANT), to generate a second signal, and to feed the second signal into a second radiation element (RE_2) of the second part of the antenna (ANT). The second signal is obtained by substantially inverting the phase of the first signal. The disclosure also relates to a cellular base station comprising such system, to a network of cellular base stations, to methods for reducing interferences, to a computer program for implementing such method, and to a storage medium storing such computer program.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 21/10** (2006.01); **H01Q 21/29** (2006.01)

CPC (source: EP)

H01Q 1/246 (2013.01); **H01Q 21/10** (2013.01); **H01Q 21/293** (2013.01)

Citation (applicant)

- US 4249181 A 19810203 - LEE WILLIAM C
- US 6104936 A 20000815 - KRONESTEDT FREDRIC [SE]

Citation (search report)

- [X] US 2010188289 A1 20100729 - MILANO ALBERTO [IL], et al
- [X] US 6208313 B1 20010327 - FRANK PETER MICHAEL [CA], et al

Cited by

WO2023093985A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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