

Title (en)

HANDLING DIRECTIONS OF RECEIVER BEAM SCANNING OF AN ANTENNA ARRAY

Title (de)

HANDHABUNG VON EMPFANGSSTRAHLABTASTUNG EINER ANTENNENGRUPPE

Title (fr)

MANIPULATION DE DIRECTIONS DE BALAYAGE DE FAISCEAU DE RÉCEPTEUR D'UN RÉSEAU D'ANTENNES

Publication

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Application

EP 18939038 A 20181029

Priority

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Abstract (en)

[origin: WO2020091637A1] A method by a first network node (101), for handling directions of receiver beam scanning by an antenna array in a first radio network node (111). Both nodes operate in a wireless communications network (100). The first network node (101) determines (503), out of a set of directions in which the first radio network node (111) is capable of beam scanning, a subset of directions of beam scanning having a probability of detection above a threshold, of a signal received from a first wireless device (131). The determining (503) is based on data obtained from previous attempts of positioning one or more second wireless devices (132) using at least some of the directions. The first network node (101) also initiates (504) providing, to at least one of: the first radio network node (111) and a second network node (102) operating in the wireless communications network (100), an indication of the determined subset.

IPC 8 full level

H04B 7/024 (2017.01); **H04B 7/06** (2006.01); **H04B 7/08** (2006.01); **H04W 16/28** (2009.01); **H04W 64/00** (2009.01)

CPC (source: EP)

H04B 7/024 (2013.01); **H04B 7/0695** (2013.01); **H04B 7/088** (2013.01)

Citation (search report)

- [YA] WO 2017184190 A1 20171026 - INTEL CORP [US]
- [Y] US 2017374637 A1 20171228 - AKKARAKARAN SONY [US], et al
- See references of WO 2020091637A1

Designated contracting state (EPC)

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