

Title (en)
AN ANTENNA DEVICE WITH TWO STACKED RADIATING ELEMENTS

Title (de)
ANTENNENVORRICHTUNG MIT ZWEI GESTAPELTEN STRAHLUNGSELEMENTEN

Title (fr)
DISPOSITIF D'ANTENNE À DEUX ÉLÉMENTS RAYONNANTS EMPILÉS

Publication
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Application
EP 21820485 A 20211125

Priority
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Abstract (en)
[origin: WO2023093985A1] This disclosure relates to an antenna device, for example, for use in a base station. The antenna device includes two radiating elements arranged on a common axis, for example, arranged or stacked above each other. Each radiating element is configured to radiate a radio wave in response to a RF signal fed to the respective radiating element. The antenna device comprises a feed structure configured to feed the RF signal to the two radiating elements. The feed structure comprises a redirecting device for redirecting the power between two or more branches, and configured to distribute the power of the RF signal between the two radiating elements. The feed structure also comprises a phase inverter configured to set a quasi-inverted phase between the RF signals at the two radiating elements as a first phase difference.

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