

Title (en)
SURFACE-WAVE ANTENNA, ANTENNA ARRAY AND USE OF AN ANTENNA OR AN ANTENNA ARRAY

Title (de)
OBERFLÄCHENWELLENANTENNE, ANTENNENANORDNUNG UND VERWENDUNG EINER ANTENNE ODER EINES ANTENNENARRAYS

Title (fr)
ANTENNE À ONDES DE SURFACE, RÉSEAU D'ANTENNES ET UTILISATION D'UNE ANTENNE OU D'UN RÉSEAU D'ANTENNES

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Abstract (en)
[origin: WO2017025675A1] The invention concerns an antenna intended to transmit and/or receive surface waves having a decametric, hectometric, or kilometeric central wavelength λ_0 , characterised in that it comprises at least one horizontal wire radiating element (22) having a length of between $0.5 \lambda_0$ and λ_0 , and at least three vertical wire radiating elements (24a-24c) of the same length of between $0.03 \lambda_0$ and $0.1 \lambda_0$, disposed in a same plane and each comprising an upper end and a lower end, said upper ends being linked to the horizontal wire radiating element (22), said lower ends being suitable for being linked to a conductive medium (26) having a substantially horizontal surface. The invention also concerns an antenna array and a use of an antenna or an antenna array.

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