

Title (en)  
SURFACE WAVE ANTENNA SYSTEM

Title (de)  
OBERFLÄCHENWELLENANTENNENSYSTEM

Title (fr)  
SYSTÈME ANTENNAIRE À ONDES DE SURFACE

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Application  
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Abstract (en)  
[origin: WO2017025674A1] The invention relates to a surface wave antenna system, comprising at least one antenna (22) electrically shorted in the vertical plane, having vertical or elliptical polarisation and being suitable for emitting/receiving radiation in at least one frequency band centred on a central frequency  $f_0$  associated with a central wavelength  $\lambda_0$ , said antenna (22) being connected to a conducting medium (28) having a substantially horizontal surface, the antenna system being characterised in that it further comprises at least one wired cover (30) of length greater than or equal to  $0.8 \lambda_0$ , electrically connected to at least one antenna (22) at the centre of the cover (30), and suitable for radiating at least at the central frequency  $f_0$  of the antenna (22).

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