

Title (en)
ROD ANTENNA FOR T.V. RECEPTION

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Application
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Abstract (en)
[origin: EP0374371A1] The invention is based on the object of developing a known rod antenna for TV reception in such a manner that it is suitable, without tuning, for two frequency bands, for example the VHF and the UHF bands. <??>The solution consists in that, on a rod (11) of insulating material, two windings (12, 13) connected to one another exist and that the rod of insulating material carries at one end a helical spring (26), the free end of which forms the base of the rod antenna (10). The other end of the helical spring is coupled via capacitive coupling means (15, 16, 17) to the second winding (13). The length l between the base and the capacitive coupling means is about $\lambda_u/4$ and the length l2 of the overall rod antenna (10) is about $\lambda_v/4$. λ_u corresponds to the wavelength of the centre operating frequency of the UHF band and λ_v corresponds to the wavelength of the centre operating frequency of the VHF band. <IMAGE>

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