

Title (en)
DEACTIVATION APPARATUS FOR AN ARTICLE SURVEILLANCE TAG

Title (de)
DEAKTIVIERUNGSGERÄT FÜR WARENÜBERWACHUNGSETIKETT

Title (fr)
DISPOSITIF DE DESACTIVATION POUR ETIQUETTE DE CONTROLE D'ARTICLE

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Application
EP 96927073 A 19960822

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Abstract (en)
[origin: WO9708670A1] The present invention relates to a deactivation apparatus of an article surveillance tag, the deactivation apparatus comprising a first (1) and a second (3) oscillator means, whereby the first oscillator means (1) is arranged to produce a signal (Sr) whose frequency sweeps in the vicinity of a resonance frequency of the article surveillance tag, and the second oscillator means (3) is arranged to produce a constant-frequency signal (Sm); mixer means (2) for producing from output signals (Sr, Sm) of the first and the second oscillator means two signals (S1, S2) having different frequencies for simultaneously producing a first and a second electromagnetic field by means of an antenna means (ANT), the frequencies (S1, S2) of the fields sweeping in the vicinity of the resonance frequency, of the article surveillance tag; detector means (10) for detecting the presence of an article surveillance tag in the first and the second field; and means (1, 11) for locking the frequency (Sr) of the first oscillator means and increasing the field strength of the electromagnetic field for deactivating the article surveillance tag in response to detecting the article surveillance tag.

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