

Title (en)
Frequency selective surface devices

Title (de)
Frequenzselektive Oberflächenanordnung

Title (fr)
Dispositifs à surface sélective en fréquence

Publication
EP 0711001 A2 19960508 (EN)

Application
EP 95306717 A 19950922

Priority
GB 9422278 A 19941104

Abstract (en)
A frequency selective surface device separates or combines two channels by using two or three spaced layers of resonant elements such as loops 14 which are coupled and which have interactive effects between the layers such that the relatively broad transmission and reflection bands characteristic of the resonant elements are modified by reinforcement of multiple reflections between the layers in the manner of a Fabry-Perot etalon in order to increase the sharpness of the transition of the transmission and reflection bands and thereby to permit combination or separation of closely spaced channels. <IMAGE>

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H01Q 15/00

IPC 8 full level
H01Q 15/00 (2006.01)

CPC (source: EP)
H01Q 15/0026 (2013.01); **H01Q 15/0033** (2013.01)

Cited by
FR2763177A1; CN102760964A; CN109560374A; CN107852813A; EP3329750A4; WO2021197277A1

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