

Title (en)
CONFIGURABLE MICROWAVE DEFLECTION SYSTEM

Title (de)
KONFIGURIERBARES MIKROWELLENABLENKSYSTEM

Title (fr)
SYSTEME DE DEFLEXION CONFIGURABLE HYPERFREQUENCE

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Application
EP 14703588 A 20140210

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Abstract (en)
[origin: WO2014128015A1] The invention relates to a configurable system (1) for deflecting an incident microwave beam (Fine) having a wavelength within a range of wavelengths corresponding to microwave frequencies, including: first (C1) and second (C2) dielectric diffractive components that are each capable of rotating about a rotational axis Z, said deflection system (1) being capable of generating a microwave beam (F) by diffracting said incident microwave beam (Fine) onto said first and second components (C1, C2), said microwave beam (F) being directed at an angle on the basis of the angular positioning between said first (C1) and said second (C2) diffractive components, said first and second components (C1, C2) respectively having first and second periodic structures that have first and second periods (P1, P2), along a first and second axis (X1, X2), said first and second structures respectively including a plurality of first and second primary microstructures (MS1p, MS2p) respectively formed on first and second substrates (S1, S2) having first and second substrate refractive indices.

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