

Title (en)

TRANSVERSE ELECTROMAGNETIC MODE DIELECTRIC FILTER, RADIO FREQUENCY MODULE AND BASE STATION

Title (de)

DIELEKTRISCHES TEM-FILTER, RADIOFREQUENZMODUL UND BASISSTATION

Title (fr)

FILTRE DIÉLECTRIQUE À MODE ÉLECTROMAGNÉTIQUE TRANSVERSAL, MODULE DE RADIOFRÉQUENCE ET STATION DE BASE

Publication

**EP 3217468 A4 20171129 (EN)**

Application

**EP 15867903 A 20150724**

Priority

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- CN 2015085087 W 20150724

Abstract (en)

[origin: EP3217468A1] Embodiments of the present invention provide a transverse electromagnetic mode dielectric filter. A near-end rejection structure is disposed inside the filter. By flexibly designing a shape, a location, and a size of the near-end rejection structure, a transmission zero or zero cavity function is implemented, and a radio frequency signal on a high-frequency end or a low-frequency end out of a passband of the filter is rejected, thereby achieving good near-end rejection performance. The embodiments of the present invention further provide a radio frequency module and a base station.

IPC 8 full level

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CPC (source: EP)

**H01P 1/2056** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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