

Title (en)

FILTER ASSEMBLIES, TUNING ELEMENTS AND METHOD OF TUNING A FILTER

Title (de)

FILTERANORDNUNGEN, ABSTIMMUNGSELEMENTE UND VERFAHREN ZUR ABSTIMMUNG EINES FILTERS

Title (fr)

ENSEMBLES FILTRES, ÉLÉMENTS DE RÉGLAGE ET PROCÉDÉ DE RÉGLAGE D'UN FILTRE

Publication

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Application

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Abstract (en)

[origin: CN106711558A] The invention discloses a filter component, a tuning component and a method of tuning a filter. The filter component comprises a shell, a top metal sheet and a bottom metal sheet, wherein the shell possesses a top cover, a bottom cover and at least one side wall; the top cover, the bottom cover and the at least one side wall limit an inner cavity; the shell is configured to receive first to third radio frequency (RF) transmission lines; the top metal sheet is installed in the inner cavity and possesses a plurality of openings forming a first hole graph; the bottom metal sheet is installed in the inner cavity and possesses a plurality of openings forming a second hole graph; the top metal sheet and the bottom metal sheet are vertically arranged with an interval as a vertical stack relation in the inner cavity; and each of the top metal sheet and the bottom metal sheet includes at least one resonator.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

- [X] US 5905416 A 19990518 - SCHMID HARTMUT [CA], et al
- [X] US 2011121919 A1 20110526 - TACHIBANA MINORU [JP], et al
- [X] US 2009128263 A1 20090521 - HESSELBARTH JAN [CH]
- [A] US 5959511 A 19990928 - PASCO WAYNE [US], et al
- [A] US 5028896 A 19910702 - KUOKKANEN LAURI [FI]
- [A] US 6111484 A 20000829 - HENNINGSSON BO UNO EGON [SE], et al
- See references of WO 2017080525A1

Cited by

CN111370836A

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