

Title (en)  
RESONANCE FILTER HAVING LOW LOSS

Title (de)  
RESONANZFILTER MIT GERINGEM VERLUST

Title (fr)  
FILTRE À RÉSONANCE À FAIBLES PERTES

Publication  
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Application  
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Abstract (en)  
[origin: US2011193657A1] The invention relates to a resonance filter (1) made of silicon for use in the micrometer and millimeter wave length range. Accordingly, a resonance filter having low loss and a high Q-factor is provided, comprising two layers. A first layer thereof carries only resonance cavities and a second layer carries only coupling cavities. Furthermore, a method for the production of the filter according to the invention is provided. This enables the cost-effective production of the resonance filter by means of KOH or TMAH etching technology.

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