

Title (en)  
Electrical filter.

Title (de)  
Elektrisches Filter.

Title (fr)  
Filtre électrique.

Publication  
**EP 0614243 A1 19940907 (EN)**

Application  
**EP 94301243 A 19940222**

Priority  
FI 930945 A 19930303

Abstract (en)  
A filter comprises at least a pair of resonators (RES1,RES2) having an amplifier (AMP) inductively or capacitively coupled between the pair of resonators so that the power of an input signal input at IN passes through the amplifier and output at OUT to provide filtered and amplified output signal. By integrating an amplifier into the filter, this removes the need for an amplifier usually provided externally to the filter, thus saving space in a product incorporating this filter. This filter could be used as part of a duplex filter of a radio transceiver, where, for example, the amplifier could replace one of the stages of a multistage amplifier in the transmission branch of the radio transceiver. <IMAGE>

IPC 1-7  
**H01P 1/203**

IPC 8 full level  
**H01P 1/20** (2006.01); **H01P 1/203** (2006.01); **H03H 7/01** (2006.01); **H03H 11/04** (2006.01)

CPC (source: EP)  
**H01P 1/2039** (2013.01)

Citation (search report)

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CH DE DK FR GB IT LI SE

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 94301243 A 19940222**; AU 5633994 A 19940224; CA 2116367 A 19940224; FI 930945 A 19930303; JP 3221494 A 19940302