

Title (en)
TRANSVERSALLY COUPLED RESONATOR FILTER

Title (de)
TRANSVERSAL GEKOPPELTES RESONATORFILTER

Title (fr)
FILTRE A RESONATEURS A COUPLAGE TRANSVERSAL

Publication
EP 1342317 A1 20030910 (DE)

Application
EP 01984707 A 20011210

Priority

- DE 0104676 W 20011210
- DE 10062847 A 20001211

Abstract (en)
[origin: DE10062847C1] The filter has a piezoelectric substrate (1) provided with a number of single gate resonator structures (2,3) next to one another, provided by 2 strip reflectors (22,23; 32,33), enclosing a planar hollow space, joined together by short-circuit strips (222,223,232,233,322,332) between the reflector strips (221,231,321,331) and an interdigital transducer (21,31) within the planar hollow space. At least one single gate resonator structure has a different ratio between the width and the relative spacing of the fingers of the interdigital transducer and a different ratio between the width and relative spacing of the reflector strips.

IPC 1-7
H03H 9/64

IPC 8 full level
H03H 9/145 (2006.01); **H03H 9/64** (2006.01)

CPC (source: EP KR US)
H03H 9/6433 (2013.01 - EP KR US); **H03H 9/6463** (2013.01 - EP KR US); **H03H 9/643** (2013.01 - KR)

Citation (search report)
See references of WO 0249212A1

Designated contracting state (EPC)
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