

Title (en)

TRIANGULARLY CONFIGURED SURFACE ACOUSTIC WAVE FILTER.

Title (de)

DREIECKIGER OBERFLÄCHENSCHALLWELLENFILTER.

Title (fr)

FILTRE D'ONDES ACOUSTIQUES EN SURFACE AYANT UNE CONFIGURATION TRIANGULAIRE.

Publication

**EP 0172811 A4 19870110 (EN)**

Application

**EP 84901459 A 19840221**

Priority

US 8400248 W 19840221

Abstract (en)

[origin: WO8503816A1] A surface acoustic wave filter comprises an aluminum input transducer (5), an aluminum output transducer (2), an aluminum 3db coupler (4), an aluminum reflector (3), and a triangularly configured substrate (1) constructed from lithium niobate. In a specific configuration the lengths of the sides of the substrate are equal to approximately 6.06, 9.25 and 11.05 millimeters respectively. The triangular configuration not only reduces the amount of substrate material required but also attenuates the degree of "triple-transit" signal reflection encountered.

IPC 1-7

**H03H 9/64**

IPC 8 full level

**H03H 9/02** (2006.01)

CPC (source: EP)

**H03H 9/02543** (2013.01); **H03H 9/0285** (2013.01)

Citation (search report)

- [X] WO 8203511 A1 19821014 - GTE PROD CORP [US]
- [A] WO 8302204 A1 19830623 - GTE PROD CORP [US]
- See references of WO 8503816A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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