

Title (en)

FAST, HIGHLY ACCURATE, FULL-FEM SURFACE ACOUSTIC WAVE SIMULATION

Title (de)

SCHNELLE, HOCHGENAUE VOLL-FEM-OBERFLÄCHENWELLENSIMULATION

Title (fr)

SIMULATION D'ONDES ACOUSTIQUES DE SURFACE DE FEM TOTAL, HAUTEMENT PRÉCISE ET À GRANDE VITESSE

Publication

**EP 3895054 A1 20211020 (EN)**

Application

**EP 19832801 A 20191211**

Priority

- US 201862778129 P 20181211
- US 201862778168 P 20181211
- US 201916653743 A 20191015
- US 2019065784 W 20191211

Abstract (en)

[origin: WO2020123698A1] The present disclosure provides systems and methods for scalable and parallel computation of hierarchical cascading in finite element method (FEM) simulations of surface acoustic wave (SAW) devices. Different computing units of a cluster or cloud service may be assigned to independently model different core blocks or combinations of core blocks for iterative cascading to generate a model of the SAW devices. Similarly, frequency ranges may independently be assigned to computing units for modeling and analysis of devices, drastically speeding up computation.

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (application)

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