

Title (en)

BLAST/IMPACT FREQUENCY TUNING AND MITIGATION

Title (de)

ABSTIMMUNG UND MINDERUNG DER EXPLOSIONS-/STOSSEINWIRKUNGSFREQUENZ

Title (fr)

ATTÉNUATION ET ACCORD EN FRÉQUENCE D'EXPLOSION/D'IMPACT

Publication

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Application

EP 16812347 A 20160615

Priority

- US 201562180931 P 20150617
- US 201615036293 A 20160512
- US 2016037645 W 20160615

Abstract (en)

[origin: WO2016205380A1] A tuning and mitigation system for mitigating a blast or impact event having a tuning layer assembly having an acoustic impedance chosen to tune stress waves resulting from the blast or impact to one or more specific tuned frequencies, and a dissipative layer assembly made of a viscoelastic material having a critical damping frequency that matches at least one or more specific tuned frequencies.

IPC 8 full level

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CPC (source: EP)

F41H 1/08 (2013.01); **F41H 5/04** (2013.01); **F42D 5/05** (2013.01); **F41H 1/02** (2013.01)

Citation (search report)

- [I] US 2013000476 A1 20130103 - ECKHOFF PHILIP A [US], et al
- [A] US 2014026279 A1 20140130 - HORSTEMEYER MARK F [US]
- [A] EP 0930832 A1 19990728 - SECR DEFENCE BRIT [GB]
- [A] US 4989493 A 19910205 - BLOMMER ERIC J [US], et al
- [A] DE 3544929 C1 19870507 - MESSERSCHMITT BOELKOW BLOHM
- See references of WO 2016205380A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

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