

Title (en)

METAL MATRIX COMPOSITE MATERIALS FOR ACOUSTIC APPLICATIONS

Title (de)

METALLMATRIXVERBUNDSTOFFMATERIALIEN FÜR AKUSTISCHE ANWENDUNGEN

Title (fr)

MATÉRIAUX COMPOSITES À MATRICE MÉTALLIQUE POUR APPLICATIONS ACOUSTIQUES

Publication

**EP 3143621 B1 20210825 (EN)**

Application

**EP 15792910 A 20150515**

Priority

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- US 2015031009 W 20150515

Abstract (en)

[origin: WO2015175897A1] Loudspeaker diaphragms are made from a metal matrix composite sheet of substantially uniform thickness. The metal matrix sheet comprises ceramic particles distributed in a metal matrix, the ceramic particles having an average particle size from 0.1 micrometers to 20 micrometers. The metal matrix sheet has a substantially uniform thickness of 4 micrometers to 1,000 micrometers.

IPC 8 full level

**G11B 5/73** (2006.01); **C22C 21/00** (2006.01); **C22C 32/00** (2006.01)

CPC (source: EP)

**B22F 5/006** (2013.01); **C22C 21/02** (2013.01); **C22C 21/08** (2013.01); **C22C 21/12** (2013.01); **C22C 21/16** (2013.01); **C22C 21/18** (2013.01); **C22C 29/005** (2013.01); **C22C 32/001** (2013.01); **C22C 32/0047** (2013.01); **B22F 2998/10** (2013.01); **B22F 2999/00** (2013.01); **C22C 32/0031** (2013.01); **C22C 32/0036** (2013.01)

Citation (examination)

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