

Title (en)

Sound board with fibre reinforced composite material for stringed instruments

Title (de)

Resonanzplatte in Faserverbund-Bauweise für akustische Saiteninstrumente

Title (fr)

Table d'harmonie en matériau renforcé de fibres pour des instruments de musique à cordes

Publication

EP 1630786 B1 20070307 (DE)

Application

EP 05007785 A 20050408

Priority

DE 102004041010 A 20040824

Abstract (en)

[origin: EP1630786A1] The plate has fiber laminates (22, 23) on outer sides of a core plate (21) and having long fibers embedded in a carrier material. The plate (21) has a lower average density than the laminates. A part of the plate (21) having end regions of a central zone of the plate (21) has longitudinal compression strength greater than the longitudinal compression strength of the two outer zones of the plate (21) laterally adjoining the central zone.

IPC 8 full level

G10C 3/06 (2006.01); **G10D 1/00** (2006.01); **G10D 3/02** (2006.01)

CPC (source: EP US)

G10D 3/02 (2013.01 - EP US); **G10D 3/22** (2020.02 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1630786 A1 20060301; **EP 1630786 B1 20070307**; DE 102004041010 A1 20060302; DE 502005000447 D1 20070419; US 2006042447 A1 20060302; US 7208665 B2 20070424

DOCDB simple family (application)

EP 05007785 A 20050408; DE 102004041010 A 20040824; DE 502005000447 T 20050408; US 19514205 A 20050802