

Title (en)  
Soundboard made with fibre composite

Title (de)  
Resonanzplatte in Faserverbund-Bauweise

Title (fr)  
Structure composite avec des fibres pour une table d'harmonie

Publication  
**EP 1182641 A3 20030910 (DE)**

Application  
**EP 01119531 A 20010814**

Priority  
DE 10041357 A 20000823

Abstract (en)  
[origin: EP1182641A2] Resonance plate comprises a core plate (1) and a fiber coating (2) made of long fibers and arranged on both outer sides of the core plate. The core plate has a recess (3) surrounded by the material regions of the core plate where the total volume of the recess is not more than 80%, preferably 20-45%, of the total volume of the core plate. Preferred Features: Single regions of the core plate have different thicknesses.

IPC 1-7  
**G10D 1/00**; **G10D 3/02**

IPC 8 full level  
**G10C 3/06** (2006.01); **G10D 1/00** (2006.01); **G10D 3/02** (2006.01)

CPC (source: EP US)  
**G10C 3/06** (2013.01 - EP US); **G10D 3/02** (2013.01 - EP US); **G10D 3/22** (2020.02 - EP US)

Citation (search report)  
• [A] US 4348933 A 19820914 - KAMAN CHARLES H, et al  
• [A] US 4429608 A 19840207 - KAMAN CHARLES H [US], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)

Cited by  
DE102005027424A1; DE102006058849A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**DE 20113495 U1 20011031**; AT E309596 T1 20051115; AT E309597 T1 20051115; DE 50107960 D1 20051215; DE 50107961 D1 20051215; EP 1182641 A2 20020227; EP 1182641 A3 20030910; EP 1182641 B1 20051109; EP 1182642 A2 20020227; EP 1182642 A3 20031126; EP 1182642 B1 20051109; US 2002066353 A1 20020606; US 2002066354 A1 20020606; US 2002069743 A1 20020613; US 6610915 B2 20030826; US 6737568 B2 20040518; US 6770804 B2 20040803

DOCDB simple family (application)  
**DE 20113495 U 20010814**; AT 01119531 T 20010814; AT 01119532 T 20010814; DE 50107960 T 20010814; DE 50107961 T 20010814; EP 01119531 A 20010814; EP 01119532 A 20010814; US 93597201 A 20010823; US 93597301 A 20010823; US 93597501 A 20010823