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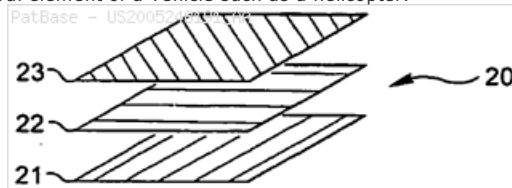
Search 1: FT=(sheet* and plastic* and vibroacoustic* and layers* and thickness* and area* and noise* and radiation*) (Results 8)

1) Family number: 32390182 (US2005248191A)

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Title: COMPOSITE PROTECTION FOR REVEALING DAMAGE TO A CORE IN A VEHICLE SUCH AS AN AIRCRAFT**Abstract:** The composite structure for protecting a main core comprises a laminated surface covering having a rigid protective layer and an elastomeric member. A damage tell-tale is inserted between the rigid protective layer and the elastomeric member. The composite structure thus serves both to protect the core and to reveal damage suffered by the core. The structure is applicable, for example, to protecting a structural element of a vehicle such as a helicopter.**Classifications:****International (IPC 8-9):** B32B25/04 B32B33/00 B60N2/42 B64C1/00 B64D45/00 E04B1/00 F16F1/373 F16F7/00 F16F7/12 (Advanced/Invention);

B32B25/00 B32B33/00 B60N2/42 B64C1/00 B64D45/00 E04B1/00 F16F1/36 F16F7/00 F16F7/12 (Core/Invention)

International (IPC 1-7): B32B33/00 B60N2/42**CPC:** B64C2001/0072 F16F1/3737 F16F7/00 F16F7/12 B32B15/06 B32B2307/56 B32B2605/18 B32B25/04 B64C1/062 Y02T50/43**European:** B32B25/04 B64C1/06F2 F16F1/373P F16F7/00 F16F7/12 L64C1/00E4 Y02T50/43B**US:** 297/216.1 297/216.100P 52/309.15 52/403.1 52/741.3**Family:**

Publication number	Publication date	Application number	Application date
FR2869565 A1	20051104	FR20040004533	20040428
FR2869565 B1	20070810	FR20040004533	20040428
US2005248191 AA	20051110	US20050116443	20050428
US7565778 BB	20090728	US20050116443	20050428

Priority:

FR20040004533 20040428

Probable Assignee: AIRBUS HELICOPTERS**Assignee(s):** (std): AZEAU JEAN ; EUROCOPTER FRANCE**Assignee(s):** EUROCOPTER SOC PAR ACTIONS SIMPLIFIEE ; EUROCOPTER SOCIETE PAR ACTIONS SIMPLIFIEE ; EUROCOPTER ; AIRBUS HELICOPTERS**Inventor(s):** (std): AZEAU JEAN**Inventor(s):** JEAN AZEAU**Agent(s):** GPI AND ASSOCIES; YOUNG AND THOMPSON

2) Family number: 32755328 (US2007284916A)

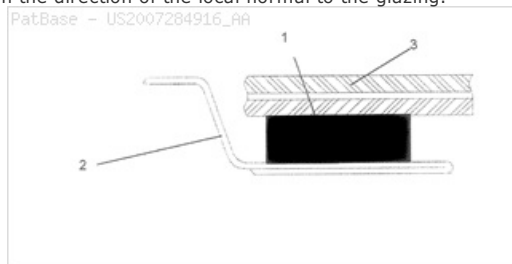
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Title: ACOUSTIC DAMPING SECTION WHICH IS DISPOSED BETWEEN A WINDOW PANEL AND THE BODY OF A VEHICLE**Abstract:** A sealing strip configured to be combined between a vehicle bodywork and glazing, and including an acoustic damping mechanism when subjected to action of a vibrational field. The sealing strip works in shear combined with local movements of the glazing in its plane, while the body-work deforms in the direction of the local normal to the glazing.**Classifications:****International (IPC 8-9):** B32B17/10 B60J1/02 B60J10/00 B60J10/02 B60J7/00 B60R13/06 B62D25/00 F16F15/02 F16F7/00 G01N29/00 G01N3/24 G10K11/16 (Advanced/Invention);

B32B17/10 B60J10/00 B62D25/00 (Advanced/Non-invention); B32B17/06 B60J1/02 B60J10/00 B60J10/02 B60J7/00 B60R13/06 B62D25/00 F16F15/02 F16F7/00 G01N29/00

G10K11/00 (Core/Invention);

B32B (Subclass/Invention)

International (IPC 1-7): B32B17/10**CPC:** B32B17/10036 B60J10/50 B60J10/70**European:** B60J10/00K B60J10/02**US:** 296/200 296/200P 296/201 296/201S 296/93 73/584 73/584P 73/846**Family:**

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CN101010192 B	20120822	CN200580029835	20050829
DE602005024706 D1	20101223	DE200560024706T	20050829

DK1799449 T3	20110228	DK20050797538T	20050829
EP1799449 A1	20070627	EP20050797538	20050829
EP1799449 B1	20101110	EP20050797538	20050829
ES2356052 T3	20110404	ES20050797538T	20050829
FR2875182 A1	20060317	FR20040009807	20040916
FR2875182 B1	20061117	FR20040009807	20040916
IN00481KN2007 A	20070706	IN2007KN00481	20070209
IN265971 B	20150327	IN2007KN00481	20070209
JP2008513280 T2	20080501	JP20070531804T	20050829
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KR20070057179 A	20070604	KR20077006019	20050829
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PT1799449 T	20110217	PT20050797538T	20050829
US2007284916 AA	20071213	US20050574281	20050829
US2010043555 AA	20100225	US20090611515	20091103
US7669910 BB	20100302	US20050574281	20050829
US8225676 BB	20120724	US20090611515	20091103
WO06032802 A1	20060330	WO2005FR50688	20050829
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Priority:

FR20040009807 20040916 EP20050797538 20050829 WO2005FR50688 20050829
US20050574281 20050829 US20070574281 20070226 US20090611515 20091103

Probable Assignee: SAINT GOBAIN SA

Assignee(s): (std): CHARLIER JULIEN ; SAINT GOBAIN ; SAINT GOBAIN SA

Assignee(s): SAINT GOBAIN GLASS FRANCE ; SAINT GOBAIN GLASS FRANCE S A ; SAINT GOBAIN GLASS FRANCE SA ; SAINT GOBAIN GLASS FRANCE SOC ANONYME ; SAINT GOBAIN GLASS FRANCE SOCIETE ANONYME

Inventor(s): (std): JULIEN CHARLIER ; CHARLIER JULIEN

Agent(s): AUPETIT MURIEL J C ; SAINT GOBAIN RECHERCHE; KANAYAMA MASATAKA; TSUBOKURA MICHIAKI; OSAKI KATSUMASA; KAWAGUTI AND PARTNERS; ONO MAKOTO; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

3) Family number: 65965403 (US2017158307A)

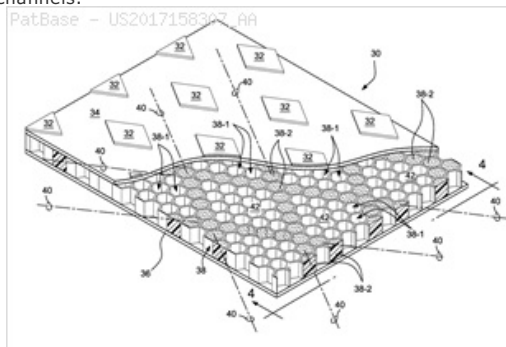
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Title: COMPOSITE ACCOUSTICAL PANELS ESPECIALLY USEFUL FOR INTERIOR PANEL ASSEMBLIES OF AIRCRAFT PASSENGER CABINS

Abstract: Composite acoustic panels are provided which may usefully be employed for aircraft interior panel assemblies. The composite acoustic panels may include a core member defining opposed surfaces, and a pair of exterior face sheets each attached to a respective one of the opposed surfaces of the core member. At least one of the face sheets may be microperforated. The core member comprises an adjacent plurality of tubular channels extending through a thickness dimension of the core member between the opposed surfaces thereof, while predetermined adjacent ones of the tubular channels are filled with a material to define a series of filled tubular channels which are adjacent to a region of open tubular channels. Certain ones of the open tubular channels may be partially filled with an acoustic dampening material. Discontinuous viscoelastic layers may be positioned so as to overlay central regions of the adjacent plurality of the open tubular channels which are bounded by an array of the filled tubular channels.

Classifications:

International (IPC 8-9): B32B3/12 B64C1/40 G10K11/168
G10K11/172 (Advanced/Invention);
B64C1/00 (Advanced/Non-invention)
CPC: B64C1/066 B64C1/40 G10K11/172 B64C2001/0072
US: 1/1 244/1N



Family:

Publication number	Publication date	Application number	Application date
US2017158307 AA	20170608	US20150957185	20151202
US10040535 BB	20180807	US20150957185	20151202

Priority:

US20150957185 20151202

Probable Assignee: EMBRAER SA

Assignee(s): (std): EMBRAER SA

Inventor(s): (std): FUTATSUGI SIDETO ; CAFALDO DOS REIS DANILLO ; PEREIRA ISRAEL

Agent(s): NIXON AND VANDERHYE PC

Title: SYSTEMS AND METHODS FOR MAKING NONINVASIVE PHYSIOLOGICAL ASSESSMENTS

Abstract: Systems and methods for assessment of tissue properties, noninvasively, by acquiring data relating to at least one aspect of intrinsic and/or induced tissue displacement, or associated biological responses, are provided. Data relating to tissue displacement and associated biological changes may be acquired by detecting acoustic properties of tissue using ultrasound interrogation pulses, preferably in a scatter or Doppler detection mode. Based on this data, tissue properties are assessed, characterized and monitored. Specific applications for systems and methods of the present invention include non-invasive assessment and monitoring of intracranial pressure (ICP), arterial blood pressure (ABP), CNS autoregulation status, vasospasm, stroke, local edema, infection and vasculitis, as well as diagnosis and monitoring of diseases and conditions that are characterized by physical changes in tissue properties. Methods and systems for localizing physiological condition(s) and/or biological response(s), such as pain, by targeting and selectively probing tissues using the application of focused ultrasound are also provided.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/02 A61B5/021 A61B5/024 A61B5/026 A61B5/03 A61B5/04 A61B5/0402 A61B5/0476 A61B5/05 A61B5/055 A61B5/08 A61B5/145 A61B6/00 A61B8/00 A61B8/02 A61B8/04 A61B8/06 A61B8/08 A61B8/12 A61B8/14 A61M16/00 A61N7/00 G01N24/00 (Advanced/Invention); A61B5/03 A61B8/04 (Advanced/Non-invention); A61B5/00 A61B5/02 A61B5/055 A61B8/00 A61B8/06 A61B8/08 A61B8/12 A61B8/14 A61N7/00 (Core/Invention); A61B5/03 A61B8/04 (Core/Non-invention)

International (IPC 1-7): A61B1/00 A61B5/00 A61B5/05 A61B6/00 A61B8/00 A61B8/08 A61B8/12 A61B8/14 A61M16/00 G01N24/00

CPC: A61B5/7267 A61B8/0808 A61B5/4827 A61B8/4236

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European: A61B5/00B A61B5/00M A61B5/0205 A61B5/03B A61B5/08 A61B5/41J2 A61B5/41J8 A61B5/48E A61B5/48W

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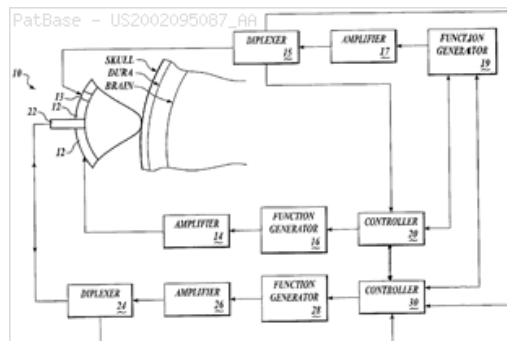
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604/506 604/512

**Family:**

Publication number	Publication date	Application number	Application date
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EP1937141 A1	20080702	EP20060752506	20060511
EP1937141 A4	20090902	EP20060752506	20060511
EP2392262 A1	20111207	EP20110177783	20040603
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US2006100530 AA	20060511	US20050234914	20050926
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Priority:

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Probable Assignee: ALLEZ PHYSIONIX LTD

Assignee(s): (std): ALLER PHYSIONIX LTD ; ALLEZ PHYSIONIX ; ALLEZ PHYSIONIX INC ; KLIOT MICHEL ; MOURAD PIERRE ; MOHR BRANDT ; FREDERICKSON ROBERT C A ; MOURAD PIERRE D ; FORGHANI KAMRAN ; JARVIK JEFFREY G ; GOFELD MICHAEL ; DICKEY TREVOR C ; MCCLINTIC ABBI M ; ALLEZ PHYSIONIX LTD ; UNIV WASHINGTON ; PATTERSON REX ; ROOKE ALEC ; THOMPSON LEE R ; SEAWALL JASON ; PHYSIOSONICS INC ; UNIV WASHINGTON MR DAVID P BRO ; UNIV WASHINGTON STATE

Assignee(s): WASHINGTON STATE UNIVERSITY ; THOMPSON R LEE ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; WASHINGTON STATE UNIV ; OF WASHINGTON MR DAVID P BROWN UNIV ; NAVY SECRETARY OF UNITED STATES OF AMERICA OFFICE OF NAVAL RESEARCH ; NATIONAL INSTITUTES OF HEALTH DIRECTOR DEITR ; ALLER PHYSIONIX LIMITED ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALT ; NAVY SECRETARY OF UNITED STATES OF AMERICA OFFICE ; OF WASHINGTON UNIV ; UNIV ; NATIONAL INST ; WASHINGTON UNIV ; PHYSIOSONCS INC ; NATIONAL INSTITUTES OF HEALTH ; WASHINGTON UNIV OF ; UNIV OF WASHINGTON ; THE UNIVERSITY OF WASHINGTON ; UNIVERSITY OF WASHINGTON MR DAVID P BROWN ; ALLEZ PHYSIONIX LTD ; MESIWALA ALI ; UNIVERSITY OF WASHINGTON ; FREDERICKSON ROBERT CA ; FREDERICKSON ROBERT C ; ALLEZ PHYSIONIX LIMITED

Inventor(s): (std): THOMPSON LEE R ; ROOKE ALEC ; FREDERICKSON ROBERT C ; FREDERICKSON ROBERT C A ; THOMPSON R LEE ; MOHR BRANDT ; SEAWALL JASON ; ROOKE GEORGE ALEC ; MOURAD PIERRE D ; BRANDT MOHR ; JASON SEAWALL ; FORGHANI KAMRAN ; MESIWALA ALI ; KLIOT MICHEL ; JARVIK JEFFREY G ; MOURAD PIERRE ; PATTERSON REX ; MICHEL KLIOT ; KAMRAN FORGHANI ; SEAWALL JASON L ; LEE THOMPSON R ; GOFELD MICHAEL ; DICKEY TREVOR C ; MCCLINTIC ABBI M

Inventor(s): FREDERICKSON ROBERT ; THOMPSON R ; FREDERICKSON ROBERT CA ; ALI MESIWALA ; PIERRE MOURAD ; REX PATTERSON ; JEFFREY G JARVIK ; ALEC ROOKE

Agent(s): PETER MAXWELL AND ASSOCIATES; MAXWELLS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; SMITHS IP; HARRISON GODDARD FOOTE; MATSUNAGA NOBUYUKI; OGOU SOICHI; SATO RYOTARO; SPECKMAN LAW GROUP PLLC; ANN W; SPECKMAN ANN W; SPECKMAN ANN W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

5) Family number: 68348601 (US2019210328A)

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Title: VISCO-ELASTIC PLASTIC SPACER FOR VIBRO-ACOUSTIC DAMPING AND GLAZING COMPRISING SUCH A SPACER

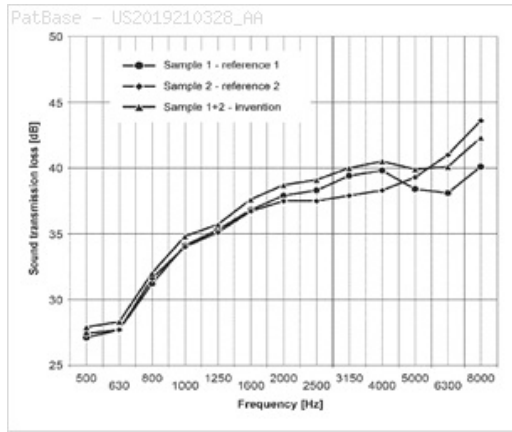
Abstract: A viscoelastic plastic interlayer to be incorporated between two glass sheets of a glazing provides it with vibro-acoustic damping properties. The interlayer includes two outer layers made of standard PVB, first and second inner layers made of viscoelastic plastic material based on polyvinyl acetal and plasticizer, with improved acoustic properties, a central layer made of standard PVB, the first and the second inner layers being arranged, respectively, between the central layer and the first and second outer layers. The viscoelastic plastic interlayer, when incorporated between two glass sheets to form a laminated glazing with vibro-acoustic damping properties, allows an improvement in the acoustic insulation properties, in particular within a frequency range of between 1000 Hz and 5000 Hz, in which range the human ear is the most sensitive.

Classifications:

International (IPC 8-9): B32B B32B17/10 B60J B60J1/02 B60J1/08 C03C27/12 G10K G10K11/168 (Advanced/Invention); B60J1/02 B60J1/08 (Advanced/Non-invention)

International (IPC 1-7): B32B17/10 B60J1/02 B60J1/08 G10K11/168

CPC: B32B17/10036 B32B17/10761 B32B2250/05 B32B2250/246 G10K11/168 B32B2307/10 B32B2307/56 B32B2605/006



Family:

Publication number	Publication date	Application number	Application date
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BR112018076235 A2	20190326	BR20181176235	20170724
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CN107864642 A	20180330	CN201780001656	20170724
CO20180013748 A2	20181228	CO20180013748	20181218
EP3487699 A1	20190529	EP20170764863	20170724
FR3054169 A1	20180126	FR20160057043	20160722
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Priority:

FR20160057043 20160722 WO2017FR52038 20170724

Probable Assignee: SAINT GOBAIN SA

Assignee(s): (std): SAINT GOBAIN GLASS FRANCE ; SAINT GOBAIN ; SAINT GOBAIN SA

Assignee(s): VON DER WEIDEN INGO ; MERCIER GERALD ; GILLESSEN STEPHAN ; KREBS BENJAMIN

Inventor(s): (std): BENJAMIN KREBS ; GERALD MERCIER ; GILLESSEN STEPHAN ; KREBS BENJAMIN ; MERCIER GERALD ; INGO VON DER WEIDEN ; VON DER WEIDEN INGO ; STEPHAN GILLESSEN

Inventor(s): MERCIER GRALD

Agent(s): GRIFFITH HACK; LAVERY DE BILLY LLP; SAINT GOBAIN RECHERCHE; IR MIGNI MYRIASANDRA SH MIP MSEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 47637850 (US7837008B)

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Title: PASSIVE ACOUSTIC BARRIER

Abstract: A capsule contains fluid and a solid inertial mass that is free to move within the capsule. The capsule is embedded in a foam panel. A plurality of such foam panels are attached to the internal wall of a launch vehicle fairing. This device augments acoustic energy dissipation with damping the resonant frequency of the fairing to reduce the amount of energy that is transmitted into the acoustic volume contained within the wall. Incorporating a plurality of capsules respectively tuned to many frequencies provides broadband structural attenuation. This abstract is provided to comply with the rules requiring an abstract, and is intended to allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.

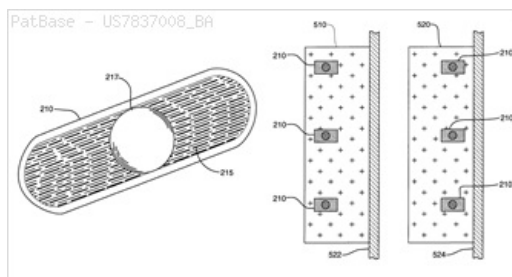
Classifications:

International (IPC 8-9): F16K17/00 (Advanced/Invention)

CPC: B64G1/38 B64G1/22 B64G1/46 Y10T428/249941

European: B64G1/22 B64G1/38 B64G1/46

US: 181/198 181/207 181/209 181/210 181/284 181/286 244/1.00N 244/1N 428/297.7



Family:

Publication number	Publication date	Application number	Application date
US7837008 BA	20101123	US20050239439	20050927

Priority:

US20050239439 20050927

Probable Assignee: US AIR FORCE

Assignee(s): (std): US AIR FORCE

Assignee(s): AIR FORCE US GOV SECRETARY AS ; SECRETARY OF AIR FORCE AS US GOV ; SECRETARY OF AIR FORCE US GOV AS ; THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE AIR FORCE

Inventor(s): (std): LANE STEVEN A ; KENNEDY SCOTT J ; ALCONE JERRY

Agent(s): JAMES M

7) Family number: 49114906 (US2012279800A)

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Title: MULTILAYER COMPOSITE MATERIAL

Abstract: The invention concerns a multilayer composite material comprising at least one core (3) interposed between two external layers (1, 2), wherein: -the core (3) is a layer of thermoviscous fluid at room temperature, said thermoviscous fluid having a dynamic viscosity coefficient greater than 100 Pa.s at room temperature, -each external layer (1, 2) is in a material in the solid state at room temperature, each external layer having a surface mass of less than 8 k grams per square metre.

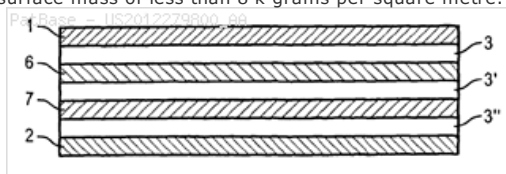
Classifications:

International (IPC 8-9): B23Q17/00 B32B15/04 B32B15/08 B32B15/18 B32B15/20 B60R13/08 E04B1/84 (Advanced/Invention); E04B1/82 (Advanced/Non-invention)

CPC: B32B15/04 B32B15/08 B32B15/18 B32B15/20 B32B27/00 B32B2307/102 B32B2307/50 B32B2307/546 B32B2307/718 B32B2307/732 Y10T29/49771

European: B32B15/04 B32B15/08 B32B15/18 B32B15/20

US: 181/204 181/286 181/290 181/294 29/407.05



Family:

Publication number	Publication date	Application number	Application date
EP2512799 A2	20121024	EP20100793249	20101216
US2012279800 AA	20121108	US20100515794	20101216
US8807276 BB	20140819	US20100515794	20101216
WO11073353 A2	20110623	WO2010EP69982	20101216
WO11073353 A3	20110909	WO2010EP69982	20101216

Priority:

US20090286893P 20091216 US20100515794 20101216 WO2010EP69982 20101216

Probable Assignee: NATIONAL DES SCIENCES APPLIQUEES DE LYON INST

Assignee(s): (std): GUYADER JEAN LOUIS ; HUSSAIN HUSNAIN INAYAT ; INAYAT HUSSAIN HUSNAIN ; INST NAT SCIENCES APPLIQ

Assignee(s): INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON ; NATIONAL DES SCIENCES APPLIQUEES DE LYON INST

Inventor(s): (std): HUSSAIN HUSNAIN INAYAT ; GUYADER JEAN LOUIS ; INAYAT HUSSAIN HUSNAIN

Agent(s): TETAZ FRANCK CLAUDE EDOUARD ; BLAKELY SOKOLOFF TAYLOR AND ZAFMAN ; TETAZ FRANCK ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 59402912 (US2017165945A)

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Title: VISCOELASTIC PLASTIC INTERLAYER FOR VIBRO-ACOUSTIC DAMPING AND GLAZING COMPRISING SUCH AN INTERLAYER

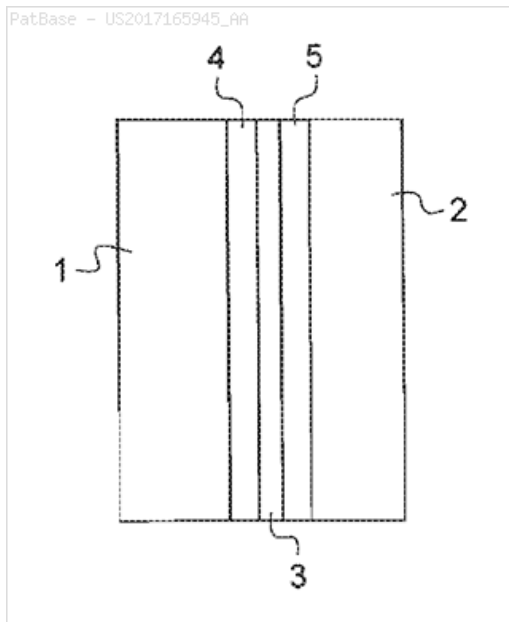
Abstract: A viscoelastic plastic interlayer to be incorporated between two glass sheets forms a laminated glazing with vibro-acoustic damping properties. The interlayer includes at least one layer made of viscoelastic plastic with vibro-acoustic damping properties and particles having an infrared radiation-screening function. The interlayer is such that the resonant frequency f2 of the second resonance mode of a laminated glazing bar with a surface area of 25 mmx300 mm composed of two glass sheets each 2.1 mm thick, between which is incorporated the interlayer, determined by measuring the mechanical impedance (MIM) at 20 degrees centigrade according to standard ISO 16940, is between 760 Hz and 1000 Hz and the loss factor eta2 of the second resonance mode of the same bar, determined by MIM under the same conditions, is greater than or equal to 0.25.

Classifications:

International (IPC 8-9): B32B17/10 B32B27/08 B32B27/18 B32B27/30 B60J1/00 B60J1/02 C03C27/12 C08K3/00 C08K5/00 G10K11/168 G10K11/172 (Advanced/Invention); C03C27/12 (Advanced/Non-invention); B32B17/10 (Core/Invention)

CPC: B32B2307/102 B32B2307/56 B32B2250/03 C08K5/0016 B60J1/02 G10K11/172 B32B2307/42 B32B2605/006 B32B17/10761 B32B17/10036 B32B17/10633 G10K11/168 C08K3/01 B32B27/08 B32B17/10 B32B17/1055 B32B27/30 B32B2250/40 B32B2264/10 B32B2264/102 B32B2264/104 B32B2264/105 B32B2264/12 B32B2307/71 B32B2605/08 B60J1/001

US: 1/1 428/215

**Family:**

Publication number	Publication date	Application number	Application date
BR112016011360 A2	20170808	BR20161111360	20141125
CA2930240 AA	20160510	CA20142930240	20141125
CN104812577 A	20150729	CN201480002529	20141125
CN104812577 B	20161214	CN201480002529	20141125
EA030537 B1	20180831	EA20160091097	20141125
EA201691097 A1	20160930	EA20160091097	20141125
EP3074224 A1	20161005	EP20140821744	20141125
FR3013632 A1	20150529	FR20130061726	20131127
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JP2017505273 T2	20170216	JP20160534642T	20141125
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KR20160090815 A	20160801	KR20167013664	20141125
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TH168126 A	20170921	TH20161003002	20141125
US2017165945 AA	20170615	US20140039482	20141125
WO15079160 A1	20150604	WO2014FR53029	20141125

Priority:

FR20130061726 20131127 WO2014FR53029 20141125

Probable Assignee: SAINT GOBAIN SA**Assignee(s):** (std): SAINT GOBAIN ; SAINT GOBAIN GLASS FRANCE ; SAINT GOBAIN SA**Assignee(s):** SAINT GOBAIN GLASS FRANCE SA ; FOURNIER DAVID ; PAYEN CORINNE**Inventor(s):** (std): CORINNE PAYEN ; PAYEN CORINNE ; FOURNIER ADELIN ; FOURNIER DAVID ; DAVID FOURNIER**Inventor(s):** ADELIN FOURNIER**Agent(s):** GOUDREAU GAGE DUBUC ; LAVERY DE BILLY LLP ; GALDEANO SOPHIE MARIE ; SAINT GOBAIN RECHERCHE ; IR MIGNI MYRIASANDRA SH MIP MSEL ; AOKI ATSUSHI ; KOGA TETSUJI ; ISHIDA TAKASHI ; MULLER RENE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW