

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 July 2008 (24.07.2008)

PCT

(10) International Publication Number
WO 2008/087682 A3

- (51) International Patent Classification:
F16F 1/373 (2006.01) *F16F 15/08* (2006.01)
- (21) International Application Number:
PCT/IT2008/000014
- (22) International Filing Date: 9 January 2008 (09.01.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
BS 2007 A 000005 16 January 2007 (16.01.2007) IT
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

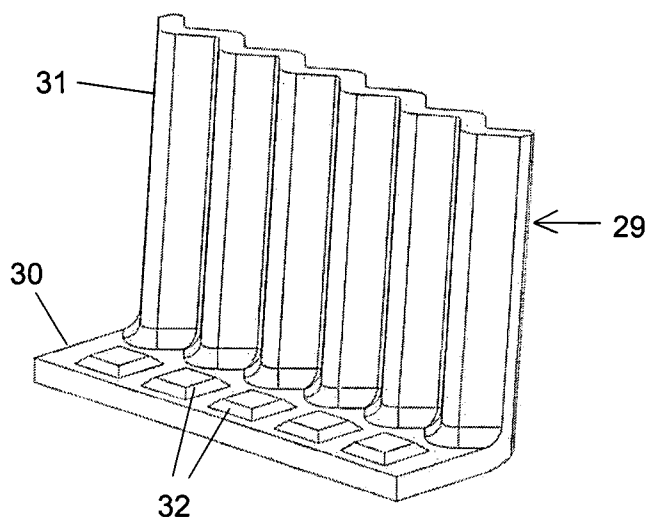
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

- (88) Date of publication of the international search report:
2 April 2009

(54) Title: ANTI-VIBRATION, SHOCK ABSORBER AND SOUND-PROOFING ELEMENT



(57) Abstract: The invention concerns an amortizing element to be placed between overlapping parts and/or inserted one into the other to ensure stability and sound-proofing of the connection by eliminating the assembly defects and play, characterized by a bi or three-dimensional plastic material body, structured to form at least one horizontal supporting section and at least one section for the protection of at least some peripheral areas of the contact surfaces between said parts to be joined. Every element can also be equipped with a tongue or ribs or protrusions to increase the amortizing.

INTERNATIONAL SEARCH REPORT

International application No

PCT/IT2008/000014

A. CLASSIFICATION OF SUBJECT MATTER
 INV. F16F1/373 F16F15/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 F16F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 379 689 A (WOLF WOCO & CO FRANZ J [DE]) 1 August 1990 (1990-08-01) column 5, line 43 - column 6, line 5; figures 5,6	1,2
X	WO 97/16655 A (MINNESOTA MINING & MFG [US]) 9 May 1997 (1997-05-09) abstract	1,2

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

21 May 2008

Date of mailing of the international search report

20/02/2009

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IT2008/000014

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1,2

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2

Amortizing element comprising a flat body provided with a central opening (as shown in figure 1).

2. claims: 1,3-11

Amortizing element comprising a L shaped body with an horizontal supporting wall and a vertical wall (as shown in figures 2,3,4,5 and 6).

3. claims: 1,12

Amortizing element comprising a U shaped body forming a channel (as shown in figures 17 and 18).

4. claims: 1,13-17

Amortizing element comprising a three-dimensional body forming a base, a supporting plane and a recess (as shown in figures 7,8 and 9).

5. claims: 1,18,19

Amortizing element comprising a three-dimensional body having a number of L shaped elements connected consecutively by bands (as shown in figure 12).

6. claims: 1,20,21,22

Amortizing element having means for facilitating handling and positioning.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IT2008/000014

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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