



(51) International Patent Classification:
G03B 21/58 (2006.01)

(21) International Application Number:
PCT/EP2012/066990

(22) International Filing Date:
31 August 2012 (31.08.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10 2011 053 197.1
1 September 2011 (01.09.2011) DE
61/530,063 1 September 2011 (01.09.2011) US

(71) Applicant (for all designated States except US): **AIRBUS OPERATIONS GMBH** [DE/DE]; Kreetzslag 10, 21129 Hamburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAUER, Hans-Achim** [DE/DE]; Elversweg 79A, 21037 Hamburg (DE).

BUDINGER, Tilo [DE/DE]; Volkswohlweg 73, 21077 Hamburg (DE).

(74) Agent: **MAIWALD PATENTANWALTS GMBH**; Engineering, Elisenhof, Elisenstr. 3, 80335 München (DE).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

[Continued on next page]

(54) Title: INFLATABLE PROJECTION SURFACE FOR A TRANSPORTATION MEANS

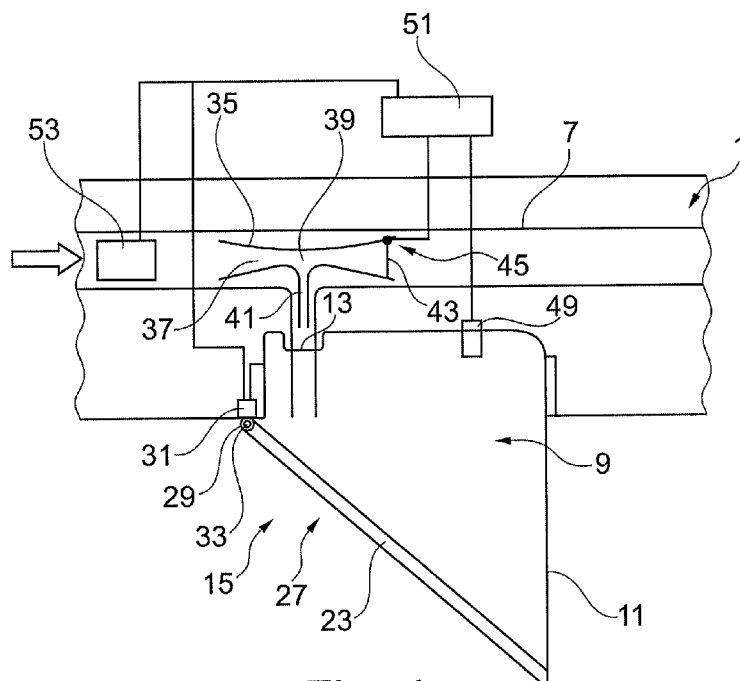


Fig. 4

(57) Abstract: A supply channel (1) for a means of transportation (3) is provided. The supply channel (1) comprises a fluid line (7) and an inflatable projection element (9) having an opening (13). The inflatable projection element (9) is connected to the fluid line (7) via the opening (13). The projection element (9) is configured for being transferred from a compressed state (17) to an inflated state (15) by filling it with fluid from the fluid line (7). The projection element (9) provides a predetermined projection surface (11) in the inflated state (15).



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*

Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:

30 May 2013

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/066990

A. CLASSIFICATION OF SUBJECT MATTER
INV. G03B21/58
ADD.

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)
G03B

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 practicable, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 464 541 A2 (MATSUSHITA ELECTRIC IND CO LTD [JP]) 6 October 2004 (2004-10-06)	1-7
A	projection surfaces for transportation systems; paragraph [0018] - paragraph [0319]; figures 1-53	8-14
A	----- WO 00/44589 A1 (LEAR CORP [US]) 3 August 2000 (2000-08-03) projection surfaces for transportation systems; page 2, line 24 - page 9, line 15; figures 1-11 ----- -/--	1-14



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 application or patent 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

3 April 2013

Date of mailing of the international search report

16/04/2013

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Tomezzoli, Giancarlo

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/066990

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 639 106 A (GRADIN JAMES H [US]) 27 January 1987 (1987-01-27) projection surfaces for transportation systems; column 3, line 6 - column 7, line 4; figures 1-4 -----	1-14
A	US 3 457 006 A (BROWN RICHARD P ET AL) 22 July 1969 (1969-07-22) projection surfaces for transportation systems; column 2, line 10 - column 5, line 12; figures 1-5 -----	1-14
A	US 5 123 728 A (GRADIN JAMES H [US] ET AL) 23 June 1992 (1992-06-23) projection surfaces for transportation systems; column 2, line 57 - column 5, line 22; figures 1-4 -----	1-14
A	US 4 313 208 A (KAVENIK FRANK E) 26 January 1982 (1982-01-26) projection surface for transportation systems; column 7, line 57 - column 21, line 16; figures 1-13 -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2012/066990

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1464541	A2	06-10-2004	DE 602004004563 T2	31-10-2007
			EP 1464541 A2	06-10-2004
			US 2004189947 A1	30-09-2004

WO 0044589	A1	03-08-2000	US 2001022553 A1	20-09-2001
			WO 0044589 A1	03-08-2000

US 4639106	A	27-01-1987	JP S61249900 A	07-11-1986
			US 4639106 A	27-01-1987

US 3457006	A	22-07-1969	NONE	

US 5123728	A	23-06-1992	JP H0593956 A	16-04-1993
			US 5123728 A	23-06-1992

US 4313208	A	26-01-1982	NONE	
