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(72) Inventor: **LAMBERTINI, Marco**
40068, SAN LAZZARO DI SAVENA (BOLOGNA) (IT)

(74) Representative: **Lanzoni, Luciano**
Bugnion SpA
Via Goito 18
40126 Bologna (IT)

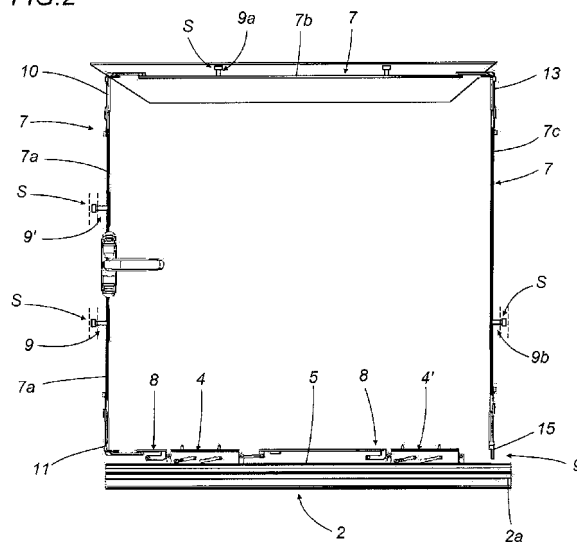
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(71) Applicant: **GSG INTERNATIONAL S.p.A.**
40054 Budrio (Bologna) (IT)

(54) **A sliding door or window**

(57) A sliding door or window (1) comprises: a fixed frame (2); a sash (3) that opens and closes by sliding horizontally relative to the fixed frame (2); a sliding unit or carriage (4) associated with the bottom horizontal member (3a) of the sash (3) and resting on a horizontal base track (5); a controlling member (6) located on the sash (3) and connected to operating means (7) which, when actuated by the controlling member element (6), lift the sash (3) from the carriage (4) and lower the sash (3) through drive means (8) located between the sash (3) and the carriage (4) and connected to the operating means (7); closing means (9) acting between the vertical member (3b) of the sash (3) and the vertical member (2b) of the fixed frame (2) which, in the closed configuration, abut against each other edge to edge; the operating means (7) comprise a first rod segment (7a) and a second rod segment (7b) slidable in both directions in respective grooves (3c) formed on the profile of the vertical member (3b) and the upper horizontal member (3d) of the sash (3), respectively, and connected to each other by first right-angle drive means (10); the two rod segments (7a, 7b) operate on respective closing means (9, 9a) in such a way as to enable multiple and simultaneous closure of the sash (3) by a single direct movement of the segments (7a, 7b) using the controlling member (6).

FIG.2





EUROPEAN SEARCH REPORT

Application Number
EP 08 15 2461

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 312 743 A2 (GRETSCH UNITAS GMBH [DE]) 21 May 2003 (2003-05-21)	1-3,6,9	INV. E05D15/56 E05F7/08
Y	* paragraphs [0009], [0010] * * page 3, lines 53-55 * * figures 1,2 *	4,5,7,8	
Y	----- EP 0 845 566 A2 (EXACTA FENSTER BAU GMBH [DE]) 3 June 1998 (1998-06-03)	4,5,7	
A	* column 2, lines 47-57 * * column 3, lines 8-10 * * column 3, lines 32-41 * * figures 1,4 *	1-3,6,9	
Y	----- US 4 208 838 A (KLEINE EWALD [DE] ET AL) 24 June 1980 (1980-06-24) * column 4, lines 44-62 * * figures 1,5 *	8	
A,D	----- GB 1 370 420 A (GRETSCH UNITAS GMBH) 16 October 1974 (1974-10-16) * the whole document *	1	TECHNICAL FIELDS SEARCHED (IPC)
			E05D E05F E05C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 April 2010	Examiner Klemke, Beate
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 15 2461

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The members are as contained in the European Patent Office EDP file on
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07-04-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1312743	A2	21-05-2003	DE 20118906 U1	18-04-2002
EP 0845566	A2	03-06-1998	NONE	
US 4208838	A	24-06-1980	AT 368236 B	27-09-1982
			CH 624729 A5	14-08-1981
			DE 2706013 A1	17-08-1978
			FR 2380397 A1	08-09-1978
GB 1370420	A	16-10-1974	AT 354892 B	11-02-1979
			BE 794572 A1	16-05-1973
			CH 555965 A	15-11-1974
			DE 2204427 A1	09-08-1973
			DK 143514 B	31-08-1981
			ES 188077 Y	01-09-1974
			FR 2170718 A5	14-09-1973
			IT 969294 B	30-03-1974
			NL 7217252 A	02-08-1973
			ZA 7300705 A	27-03-1974

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82