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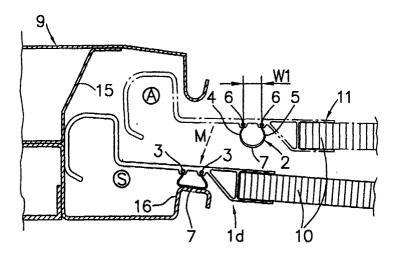
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#### (54) Sealing arrangement for a sliding cover in a railway freight wagon

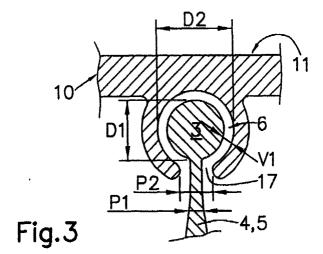
(57) The invention relates to a sealing arrangement for the edges of a sliding cover (10) in a railway freight wagon, comprising an edge sealing (2) of elastic material, which is substantially C-shaped in cross-section and has the ends of its legs (4, 5) provided with engagement bosses (3). The vicinities of cover edges (1a, 1b, 1c, 1d) include two broached-bottom mating grooves (6) at a distance (W1) from each other for receiving the en-

gagement bosses (3) of an edge sealing, whereby the edge sealing is in contact with the cover. The edge sealing has a central portion (7) of its C-profile compress against a wagon frame (9) while the cover is in a closed position (S). As the shape of a wagon frame changes during running, for example, the central portion rolls along the surface of a mating structure, thus reducing wear and tear.



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Fig.2D





# **EUROPEAN SEARCH REPORT**

Application Number EP 01 66 0020

	DOCUMEN IS CONSID	ERED TO BE RELEVAN	1		
Category	Citation of document with ir of relevant pass	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
X	US 3 284 957 A (LAN 15 November 1966 (1 * the whole documen	966-11-15)	1,4	B61D39/00 B60J10/00 B61D19/00	
X	US 3 284 956 A (BAI 15 November 1966 (1 * the whole documen	966-11-15)	1,4		
A	EP 0 607 878 A (SCH 27 July 1994 (1994- * figure 3 *		1		
				TECHNICAL FIELDS SEARCHED (Int.CI.7) B61D B60J	
	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the searc	h l	Examiner	
	MUNICH	5 August 2002	1	Fuchs, A	
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		E : earlier pate after the filir  D : document c L : document c	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		

EPO FORM 1503 03.82 (P04C01)

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

EP 01 66 0020

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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05-08-2002

	Patent docume cited in search re	nt port	Publication date		Patent fan member(	nily s)	Publication date
US	3284957	Α	15-11-1966	NONE			1
US	3284956	Α	15-11-1966	US	3179984	Α	27-04-1965
EP	0607878	Α	27-07-1994	DE EP	9300692 0607878	U1 A1	26-05-1994 27-07-1994
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82