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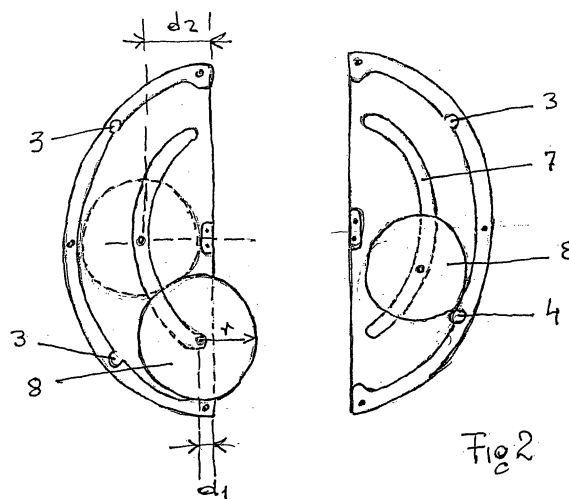
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(54) **Reciprocal blocking device for mobile panels**

(57) The reciprocal connecting device reciprocally connects two substantially bidimensional panels positioned adjacently, wherein each panel has two front opposite surfaces and four lateral surfaces, at the side, with said two dimensions which define the height and width of the front surfaces, whereas a third dimension, having a lower value with respect to the previous ones, perpendicular to said surfaces, defines the extent of the panel sides.

Said device comprises a supporting plate (1), having at least one substantially straight side with the ends connected by a perimetric edge (2), a semicircular groove (7), obtained in the depth of said supporting plate, closed at the ends, with the concavity facing said straight side and the ends situated near said side, a disc (8), equipped with a central pin (9) arranged on said supporting plate (1), with said pin (9) housed and freely sliding in both directions within said groove (7), and at least one cavity (3), situated in said support, on the trajectory of said movable disc along said groove, suitable for housing a plug (4) protruding from said cavity, which can be freely inserted into, and extracted from, said cavity (3).





## EUROPEAN SEARCH REPORT

Application Number  
EP 05 02 5947

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 5 377 467 A (BARNAVOL CHARLES [FR]) 3 January 1995 (1995-01-03) * the whole document *	1,10	INV. E04B2/82 E04B1/61
A	DE 30 16 613 A1 (HOWALDTSWERKE DEUTSCHE WERFT [DE]) 5 November 1981 (1981-11-05) * the whole document *	1,10	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 April 2010	Examiner Delzor, François
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

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

EP 05 02 5947

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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13-04-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5377467	A	03-01-1995	AT 109852 T	15-08-1994
			AU 645330 B2	13-01-1994
			AU 8090891 A	04-02-1992
			DE 4021756 A1	16-01-1992
			WO 9201123 A1	23-01-1992
			EP 0538272 A1	28-04-1993
			ES 2060391 T3	16-11-1994
			JP 5507974 T	11-11-1993
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DE 3016613	A1	05-11-1981	NONE	
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