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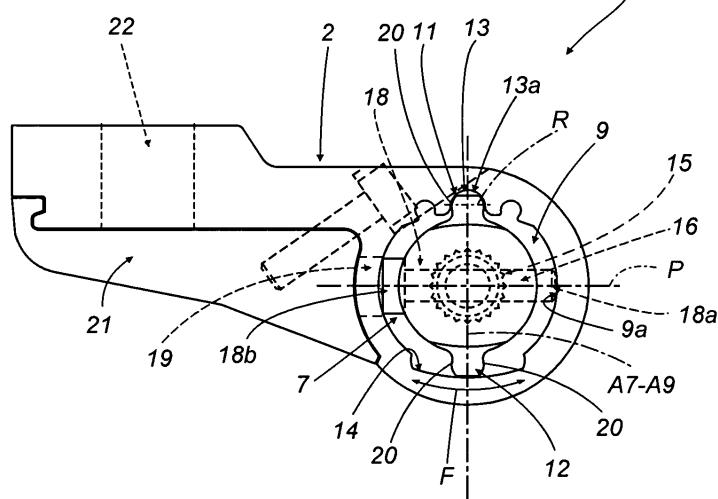
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### (54) An adjustable door hinge

(57) An adjustable door hinge (1) comprises a first body and a second body (2, 3) equipped with respective securing flaps (4, 5), a hinge pin (6) which has a central axis (A6) and which can be partly inserted into respective holes (9, 10) made in the hinge bodies (2, 3), a respective centring bush (7) with an approximately cylindrical shape interposed between the pin (6) and the hole (9), the bush (7) presenting a first radial protrusion (11) extending longitudinally parallel with the central axis (A6), an adjustment element (18) for varying the position of the hinge pin (6) inside the hole (9) and actuated from the outside

of the hole (9) in such a way as to operate between the pin (6) and the hole (9) itself in such a way as to allow the pin (6) to perform a pendular movement; the bush (7) also presenting a second radial protrusion (12) located diametrically opposite the first protrusion (11), and designed to also engage with the first recess (13) instead of the first protrusion (11), the protrusion (11, 12) that is not engaged with the first recess (13) being positioned inside a second recess (14) also made in an inside face (9a) of the hole (9) and extending radially in such a way as to allow the protrusion (11, 12) itself to move during the pendular movement.

FIG.5





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
D, A	EP 0 992 647 A2 (GIESSE SPA [IT] GSG INTERNAT S P A [IT]) 12 April 2000 (2000-04-12) * abstract; figures * -----	1	INV. E05D7/00
			TECHNICAL FIELDS SEARCHED (IPC)
			E05D
2	The present search report has been drawn up for all claims		
	Place of search	Date of completion of the search	Examiner
	The Hague	21 March 2007	WITASSE-MOREAU, C
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			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0992647	A2	12-04-2000	AT	257540 T	15-01-2004
			DE	69914036 D1	12-02-2004
			DE	69914036 T2	25-11-2004
			ES	2212511 T3	16-07-2004
			IT	B0980563 A1	05-04-2000