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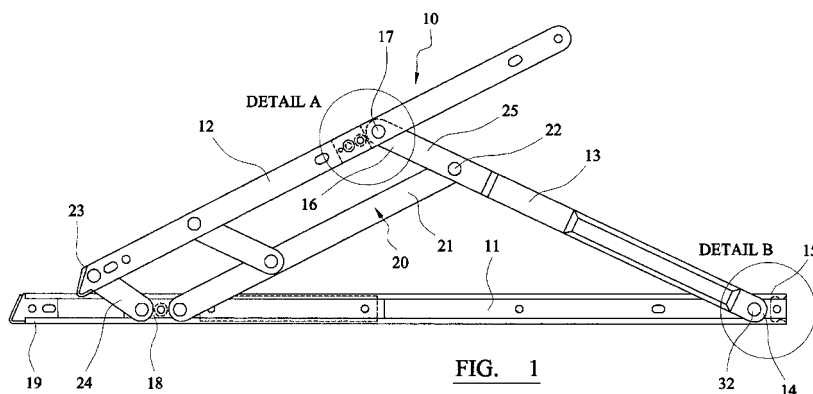
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(54) **Heavy duty friction stay for openable member**

(57) A friction stay 10 for controlling the opening and closing movement of an openable member relative to a fixed frame on which the member is mounted, in which the friction stay comprises: a track member 11 securable to a frame element of the fixed frame; a vent arm member 12 securable to a frame element of the openable member; a link arm 13 pivotally connected at one end 14 to one end 15 of the track member 11, and pivotally connected at its other end 16 to a pivot connection 17 on the vent arm member 12; a slide 18 mounted on the track member and having an end position, at or near to an opposite end 19 of the track member 11, to correspond with a closed position of the openable member, and being movable along the track member 11 away from the end

position and in a direction towards said one end 15 of the track member during opening movement of the friction stay; and, a parallelogram linkage 20 connecting the vent arm member 12 and the link arm 13 to the slide 18 in order to control the movement of the friction stay between the closed position in which the components of the stay overlie the track, and any required open position of the friction stay: in which at least one end 14, 16 of the link arm 13 has a curved bearing surface 26, 29, adjacent to its pivot connection to the respective one of the vent arm member 12 or track member 11, and which is engageable with a corresponding curved bearing surface 27, 30 on the member so as to relieve at least some of the load applied to the pivot connection 17, 32 during opening and / or closing movement of the friction stay.



**FIG. 1**



## EUROPEAN SEARCH REPORT

Application Number  
EP 03 25 4938

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	GB 2 081 804 A (SECURISTYLE LTD) 24 February 1982 (1982-02-24) -----	1	INV. E05D15/44
			TECHNICAL FIELDS SEARCHED (IPC)
			E05D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 3 August 2009	Examiner Guillaume, Geert
<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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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2081804	A	24-02-1982	NONE
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82