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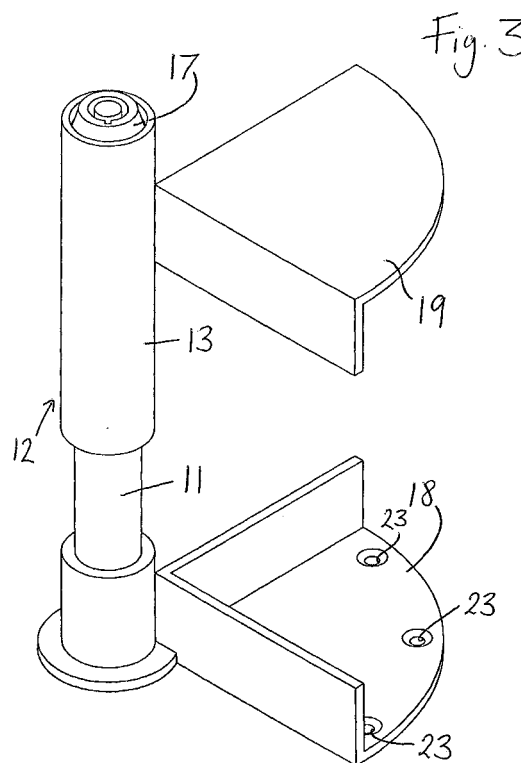
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(54) **Securement apparatus**

(57) Equipment, such as computers and computer peripherals, may be secured to a substrate by two or more clamping assemblies, each said assembly comprising a lower post (11) and an upper post (12) which have mutually threadably engageable portions, a first bracket (18), which is configured to fit snugly around one corner of the equipment being secured, being fixedly mounted to the lower post (11) and a second bracket (19) optionally also configured to fit snugly around a respective corner of the equipment being secured, being fixedly mounted to the upper post (12). In use, the lower post (11) and the first bracket (18) of each assembly are secured to the substrate at a spacing corresponding to two diagonally opposed corners of the equipment to be secured. The upper post (12) of each assembly includes an outer sleeve (13), to which the second bracket (19) is mounted, and an inner threaded shaft which is engageable with the lower post (11) but is rotatable relative to the sleeve (13) only by use of a special tool.

After the equipment is placed between and fitting inside the first brackets (18), the upper posts (12) are attached to the lower posts (11), and screwed down using the special tool. Subsequent removal without such tool is extremely difficult. Rotation of the outer sleeve (13) does not release the upper post (12) and is prevented, in any event, when the second bracket (19) is corner shaped. The apparatus can be fitted to a wide range of different sizes of equipment, without any modification to the clamping assemblies. It can also be removed and re-used for other equipment. In other embodiments three clamping assemblies may be used and/or the up-

per brackets (19) of at least two of the assemblies may be tied together, e.g. by metal straps.





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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 7680

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	GB 2 300 879 A (DALEN) 20 November 1996 (1996-11-20) * the whole document *	1-10	E05B73/00 G06F1/16
A	US 6 166 910 A (VANDENBELT CASE J ET AL) 26 December 2000 (2000-12-26) * the whole document *	1,7	
A	US 4 884 420 A (FINKEL A MILTON ET AL) 5 December 1989 (1989-12-05) * the whole document *	1,7	
A	US 6 192 722 B1 (GALANT STEVE N) 27 February 2001 (2001-02-27) * the whole document *	1,7	
A	FR 2 674 563 A (LEBER JACQUES) 2 October 1992 (1992-10-02)	1,7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E05B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 12 January 2005	Examiner Westin, K
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.**

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The members are as contained in the European Patent Office EDP file on
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12-01-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2300879	A	20-11-1996	NONE	
US 6166910	A	26-12-2000	CA 2232729 A1	19-09-1999
US 4884420	A	05-12-1989	NONE	
US 6192722	B1	27-02-2001	US 6138483 A CA 2307974 A1	31-10-2000 11-11-2000
FR 2674563	A	02-10-1992	FR 2674563 A1	02-10-1992

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