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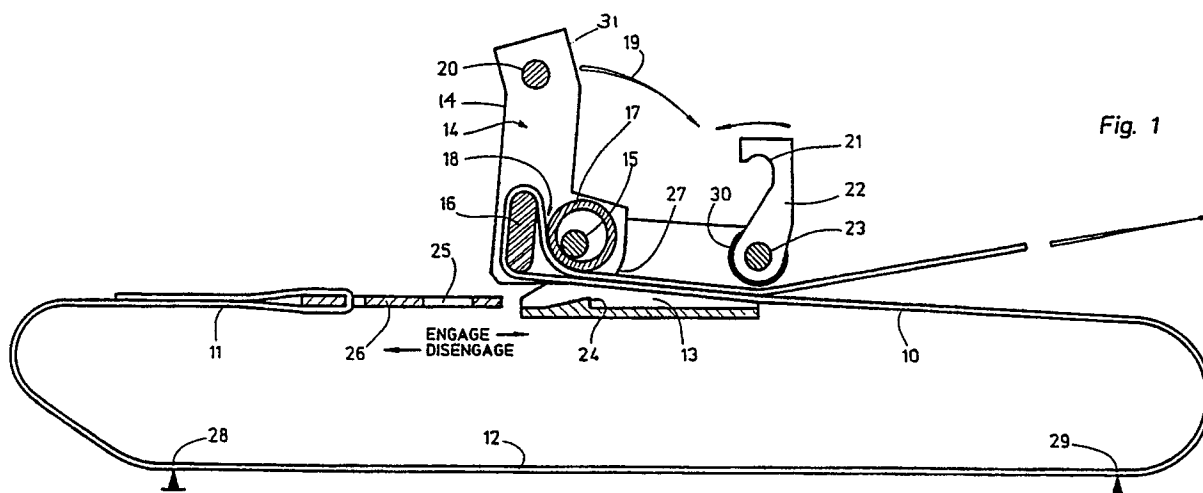
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(54) **Improvements in or relating to buckles or securing straps.**

(57) The present invention provides a locking buckle for securing one end (10) of a flexible strap, comprising a body member (13), a handle member (14) pivotally mounted on the body member for movement between a released position and a secured position, a cross-bar (16) fixedly mounted on the handle member at a point eccentric to the point of pivoting of the handle member on the body member and a locking member (17) movably mounted on the handle member to form a nip (18) between it and the cross-bar, the arrangement being such that with the

handle member in the released position an end of a flexible strap may be looped around the cross-bar with a single thickness of strap passing through said nip and with a double thickness lying against the locking member and so that on movement of the handle member to the secured position, the strap is tensioned by the eccentric movement of the cross-bar and the tension in the double thickness of the strap urges the locking member to close said nip and grip the single thickness of the strap against the locking bar.

EP 0 369 698 A3





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.5)
X	GB-A-914085 (EASTERN ROTORCRAFT CORPORATION) * page 2, line 67 - page 3, line 100; figures 1-5 *	1, 4, 5, 13	A44B11/12 A44B11/25
A	US-A-2972173 (C. WEBER) * column 1, line 55 - column 2, line 68; figures 1-4 *	1, 2, 5-7	
A	US-A-2904866 (A. G. CARTER) * column 2, line 51 - column 4, line 27; figures 1-4, 6, 7 *	2, 3	
A	US-A-3887966 (P. R. GLEY) * column 2, line 51 - column 3, line 50; figures 1-4 *	8-11	
A	US-A-2431819 (R. L. MEYER) * column 2, line 23 - column 3, line 9; figures 2, 3, 7 *	8, 9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A44B B60P F16G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 SEPTEMBER 1990	Examiner GARNIER F.M.A.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 I : document cited for other reasons & : member of the same patent family, corresponding document			