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(54) **Stabilizer fin**

(57) A stabilizer fin, comprising a tapering body (2) with a symmetrical profile, characterized in that one or more wedge- or ramp-shaped elements (8) are provided on the lateral surface or surfaces of said body.

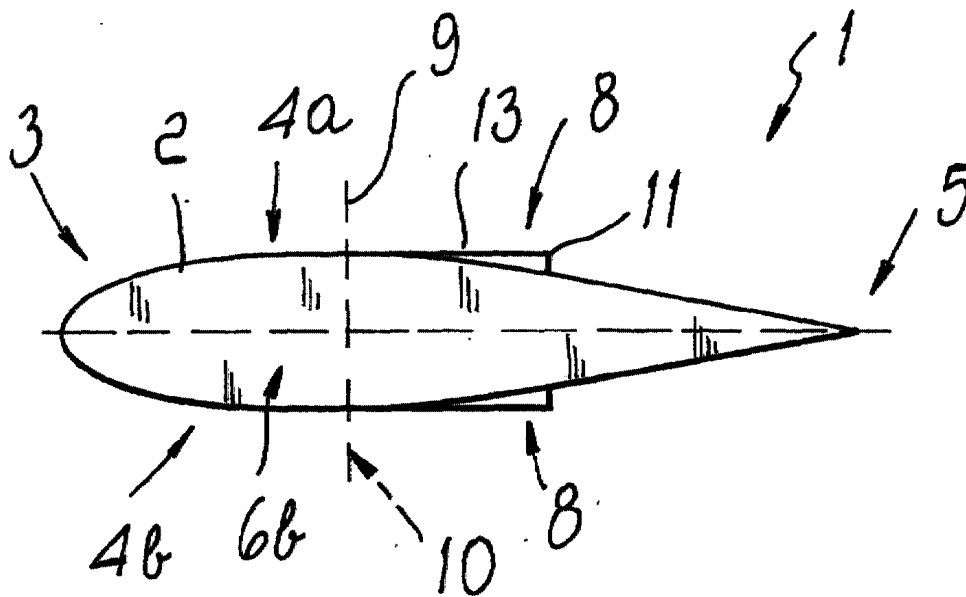


Fig. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 00 12 0138

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	US 4 825 795 A (SLEMMONS ARTHUR J) 2 May 1989 (1989-05-02)	1,2	B63B1/24 B63B39/06
Y	* column 5, line 64 - column 6, line 4; figures 1-8 *	3-5	
X	WO 97 15488 A (STEINBERG GAL ;STEINBERG HADAR (IL); STEINBERG AMIRAM (IL)) 1 May 1997 (1997-05-01) * page 9, paragraph 2 - paragraph 3; figures 1,2 *	1	
Y	US 4 930 729 A (SAVILL ANTHONY M) 5 June 1990 (1990-06-05) * column 11, line 41 - line 52; figures 17-21 *	3-5	
A	US 2 800 291 A (VERYAN STEPHENS ARTHUR) 23 July 1957 (1957-07-23) * column 1, line 72 - column 2, line 15; figure 1 * * column 3, line 75 - column 4, line 2 *	1-5	
The present search report has been drawn up for all claims			
A	US 2 099 229 A (LOUIS POSSENHEIM) 16 November 1937 (1937-11-16) * the whole document *	1-5	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B63B B63H
A	US 5 386 955 A (SAVILL ANTHONY M) 7 February 1995 (1995-02-07) * the whole document *	1-5	
Place of search	Date of completion of the search	Examiner	
THE HAGUE	4 April 2002	DE SENA HERNAND., A	
CATEGORY OF CITED DOCUMENTS		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	
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		& : member of the same patent family, corresponding document	

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

EP 00 12 0138

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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04-04-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4825795	A	02-05-1989	NONE	
WO 9715488	A	01-05-1997	AU 7330496 A WO 9715488 A2	15-05-1997 01-05-1997
US 4930729	A	05-06-1990	DE 3762219 D1 EP 0246914 A1 JP 63028796 A US 5386955 A DE 3772448 D1 EP 0246915 A1 JP 63023007 A DE 3779961 D1 DE 3779961 T2 EP 0246916 A1 JP 63041296 A DE 3865715 D1 EP 0284187 A1 JP 63263198 A US 4863121 A US 4865271 A US 5026232 A	17-05-1990 25-11-1987 06-02-1988 07-02-1995 02-10-1991 25-11-1987 30-01-1988 30-07-1992 10-12-1992 25-11-1987 22-02-1988 28-11-1991 28-09-1988 31-10-1988 05-09-1989 12-09-1989 25-06-1991
US 2800291	A	23-07-1957	NONE	
US 2099229	A	16-11-1937	NONE	
US 5386955	A	07-02-1995	DE 3762219 D1 EP 0246914 A1 JP 63028796 A US 4930729 A DE 3772448 D1 EP 0246915 A1 JP 63023007 A DE 3779961 D1 DE 3779961 T2 EP 0246916 A1 JP 63041296 A DE 3865715 D1 EP 0284187 A1 JP 63263198 A US 4863121 A US 4865271 A US 5026232 A	17-05-1990 25-11-1987 06-02-1988 05-06-1990 02-10-1991 25-11-1987 30-01-1988 30-07-1992 10-12-1992 25-11-1987 22-02-1988 28-11-1991 28-09-1988 31-10-1988 05-09-1989 12-09-1989 25-06-1991

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82