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(54) **V-form snow plough**

(57) A V-form snow plough of the invention solves the problem of adaptation of the plough to the road surface, i. e. to a bend of the road surface upwards or downwards or to a turn of the road surface around a longitudinal axis. The solution to the technical problem of the invention resides in the plough comprising a support frame of plough blades with two hydraulic cylinders, a guide board for swivelling guiding of the support frame, a mounting board for mounting the plough onto a vehicle, and a crank mechanism connecting the guide board and the mounting board, and comprising a lower fork, a first upper fork and a second upper fork, wherein at least one elastic element is arranged between the first upper fork and the second upper fork and allows the support frame with the blades in an active position to adapt to the road surface in all directions.

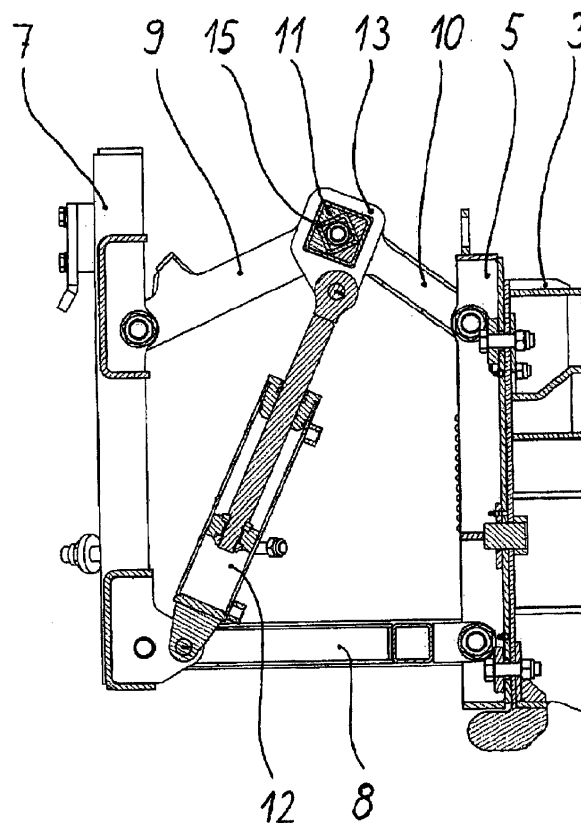


Fig. 2



EUROPEAN SEARCH REPORT

 Application Number
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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,D	EP 2 522 779 A1 (GILETTA S P A [IT]) 14 November 2012 (2012-11-14) * figure 3a *	1-9	INV. E01H5/06
A	EP 1 010 809 A2 (BERKMAN LOUIS CO [US]) 21 June 2000 (2000-06-21) * figures 1,2 *	1-9	
A	EP 2 543 768 A2 (SAMASZ SP Z O O [PL]) 9 January 2013 (2013-01-09) * figure 4 *	1-9	
A	US 4 565 018 A (OYA ANDERS [NO]) 21 January 1986 (1986-01-21) * figure 1 *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01H
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 March 2016	Examiner Saretta, Guido
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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 EPO FORM 1503 03/02 (P04C01)

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

EP 14 00 0303

5 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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08-03-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2522779 A1	14-11-2012	NONE	
EP 1010809 A2	21-06-2000	AT 274106 T CA 2266738 A1 DE 59910268 D1 EP 1010809 A2 HU 9903301 A2 JP 3236964 B2 JP 2000178935 A NO 992398 A PL 336867 A1 US 6134813 A US 6564479 B1	15-09-2004 18-06-2000 23-09-2004 21-06-2000 28-09-2000 10-12-2001 27-06-2000 19-06-2000 19-06-2000 24-10-2000 20-05-2003
EP 2543768 A2	09-01-2013	EP 2543768 A2 PL 216182 B1	09-01-2013 31-03-2014
US 4565018 A	21-01-1986	NO 840199 A US 4565018 A	22-07-1985 21-01-1986

EPO FORM P0459

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