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(54) **Suspension system of a snow plough**

(57) The object of the invention is a suspension system of a snow plough used particularly for the snow removal from the surface of roads, yards, car parks and other paved surfaces.

A suspension system of a snow plough wherein a body (1) is connected with a hitch (4) secured against overload by means of connecting elements (7) and (8) and to which a mouldboard (2) with a swivel-mounted blade (2) is attached, characterized in that an overload

protection mechanism is constituted by at least two plates, a front pressure plate (5) and a rear pressure plate (6), connected with each other by means of the connecting elements (7) and (8), whereas the front pressure plates (5) and the rear pressure plates (6) stabilize a plate (1A) of the body (1) with plates (4A) of the hitch (4).

The connection of the body (1) with the hitch (4) is effected by clamping the front pressure plates (5) with the rear pressure plates (6) by means of the connecting elements (7) and (8).

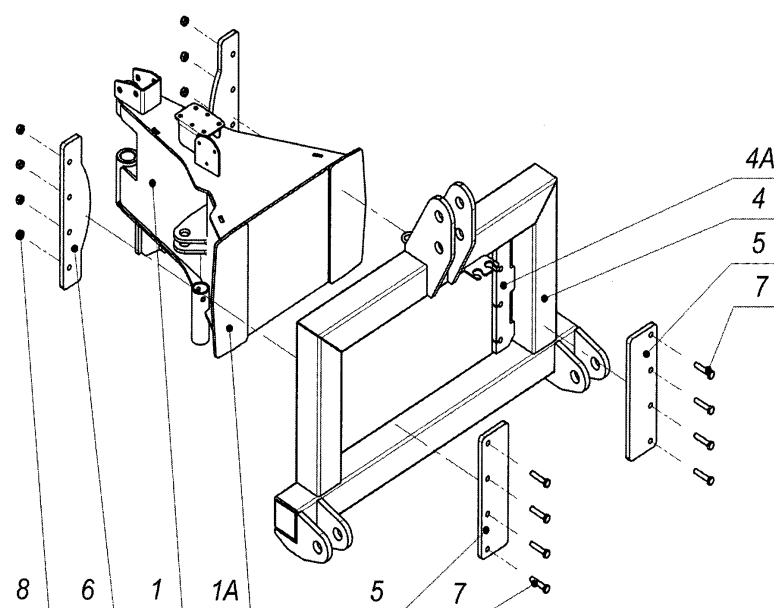


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 12 46 0035

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	US 6 594 923 B1 (KOST JAMES A [US] ET AL) 22 July 2003 (2003-07-22) * figures 2,4 *	1,2	INV. E01H5/06
Y	US 4 821 436 A (SLOCUM ALEXANDER H [US]) 18 April 1989 (1989-04-18) * column 6, lines 40-48 *	1,2	
A	US 2007/056195 A1 (SCHMEICHEL CHARLES M [US]) 15 March 2007 (2007-03-15) * figures 24,33 *	1,2	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01H E02F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 5 February 2014	Examiner Saretta, Guido
<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 & : member of the same patent family, corresponding document</p>			

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

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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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05-02-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6594923	B1	22-07-2003	NONE
US 4821436	A	18-04-1989	NONE
US 2007056195	A1	15-03-2007	US 2007056195 A1 15-03-2007
			US 2010229432 A1 16-09-2010