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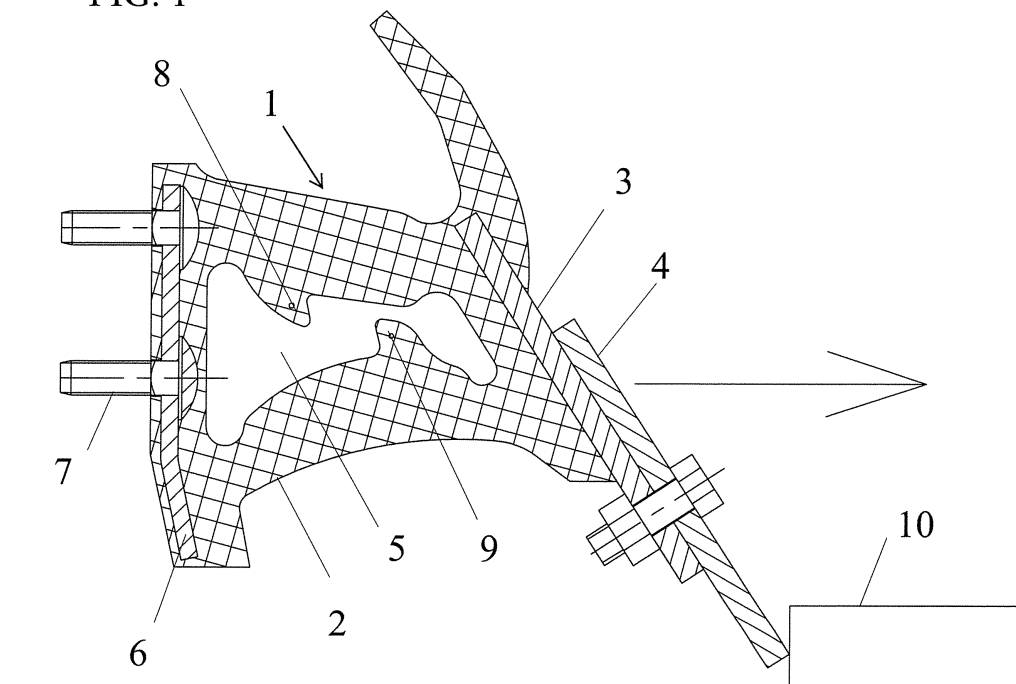
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(30) Priority: **13.11.2014 EE 201400039**

**(54) PLOUGH BLADE HOLDER OF A ROAD MAINTENANCE VEHICLE**

(57) The invention is related to design of plough blade holder of a road maintenance vehicle. The blade holder of the invention comprises a part made of elastically deforming material, which has a air filled space. Blade holder from elastically deforming material has locking teeth in the hollow space side, which are adopted to hook with each other on moving over an obstacle on the

road. Thanks to this hooking is guaranteed greater returning force into initial position and avoided situation, where the blade holder may stay into opearting position without return. Optionally the blade holder has a tightening means in order to pre-adjust the position of the blade so, that the angle between the blade and the road surface normal is according to a specific need.

**FIG. 1****EP 3 020 866 A3**



## EUROPEAN SEARCH REPORT

Application Number  
EP 15 19 4173

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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	EP 2 581 496 A2 (MEIREN ENGINEERING OUE [EE]) 17 April 2013 (2013-04-17) * figures 3A-3C *	1,2	INV. E01H5/06
A	WO 98/30756 A1 (KAELLQVIST GOESTA [SE]) 16 July 1998 (1998-07-16) * figures 1-3 *	1,2	
A	EP 0 593 994 A1 (SCHMIDT HOLDING EUROP GMBH [DE]) 27 April 1994 (1994-04-27) * figure 1 *	1,2	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01H
<p><del>The present search report has been drawn up for all claims</del></p>			
Place of search		Date of completion of the search	Examiner
Munich		17 March 2016	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 ..... &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P04C01)



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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

3, 4(completely); 1, 2(partially)

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 3, 4(completely); 1, 2(partially)

Plough blade holder comprising an elastically deformable material with two hooking cogs

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2. claims: 5-10(completely); 1, 2(partially)

Plough blade holder comprising an elastically deformable material with a tensioning device for creating pre-tension and adjustment of the blade angle

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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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17-03-2016

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