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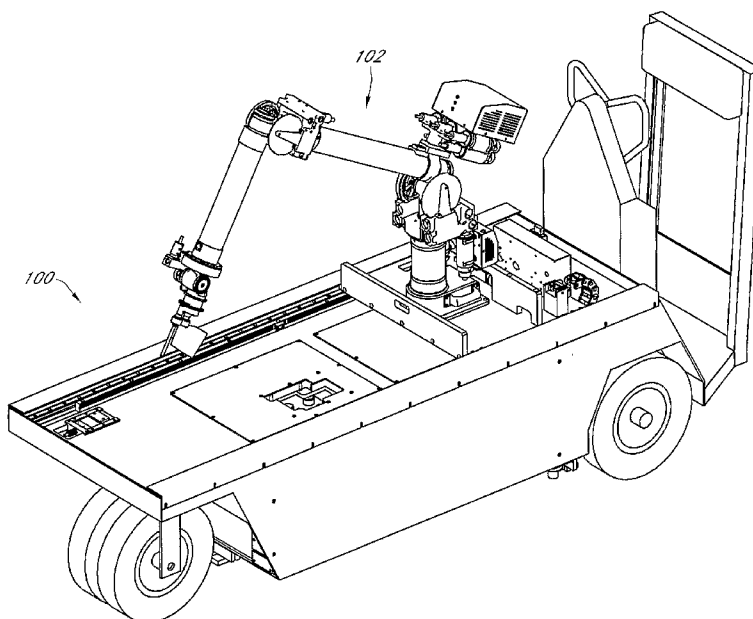
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VEHICLE COMPRISING AN ARTICULATOR OF A COORDINATE MEASURING MACHINE



(57) Abstract: Systems and methods for a vehicle mounted articulator are described, the articulator of the type comprised in a coordinate measuring machine. A vehicle (100) conveniently allows an articulator (102) to be moved to various remote work sites. In one embodiment, the articulator can be mounted on a movable base (322), thereby increasing the flexibility of use and/or reach of the articulator. Such vehicle-mounted articulators can be subjected to various potentially damaging situations due to motion of the vehicle. Various features that allow safe operation of the vehicle and the articulator are disclosed.

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# INTERNATIONAL SEARCH REPORT

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. B60P3/14 G01B5/008 G01B21/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
B60P G01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/08050 A (CAMURRI NINO [CA]) 26 February 1998 (1998-02-26) abstract page 6, lines 22-34 figure 1	1,6,14, 24,26,38
X	US 2001/024283 A1 (GRANGER ROMAIN [FR]) 27 September 2001 (2001-09-27) abstract paragraph [0039] figure 4	1,14,24, 38
X	US 6 041 274 A (ONISHI MASANORI [JP] ET AL) 21 March 2000 (2000-03-21) column 8, lines 29-35 column 1, lines 35-40 figures 1,27	1-5,14, 24,25,38
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 3 547 284 A (DUNBAR GLENN G) 15 December 1970 (1970-12-15)</p> <p>abstract column 3, lines 15-20 figure 1</p> <p>-----</p>	<p>1-5, 7-11,13, 14</p>

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9808050	A	26-02-1998	AU CA	1587197 A 2183004 A1
				06-03-1998 24-02-1998
US 2001024283	A1	27-09-2001	BR DE FR	0101101 A 10112653 A1 2806657 A1
				06-11-2001 11-10-2001 28-09-2001
US 6041274	A	21-03-2000	NONE	
US 3547284	A	15-12-1970	NONE	