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(54) Title: VEHICLE WITH VARIABLE-LENGTH WHEELBASE

(57) Abstract: A vehicle with a variable-length wheelbase is disclosed. The vehicle of one embodiment has a first body portion coupled to a first set of wheels and a second body portion coupled to a second set of wheels to define a vehicle wheelbase. The first and second body portions are moveable relative to each other in a direction substantially parallel to a longitudinal axis of the vehicle, so as to move the base between extended and retracted positions. When the base is in the retracted position the vehicle's wheelbase has a first length, and when the base is in the extended position the wheelbase has a second length greater than the first length. A boom is pivotally coupled to the base. The boom moves toward a lowered position when the base is moved toward the extended position, and the boom moves toward a raised position when the base is moved toward the retracted position.

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **B66F 9/075**(2006.01)

USPC: 180/209
 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)
 U.S. : 180/209, 24.02, 21: 280/142.2

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 3,856,149 A (SHAW) 24 December 1974 (24.12.1974), entire document.	1-2, 6-8, 10-11, 29 ----- 3-5, 9, 12, 14-21, 23-25, 28
Y	US RE39,477 E (PLATE et al.) 23 January 2007 (23.01.2007), col. 4, lines 20-25).	5
Y	US 5,996,722 A (PRICE) 07 December 1999 (07.12.1999), entire document.	3-4, 9, 12, 14-21, 23-25, 28
Y	US 2004/0031649 A1 (SCHIEBEL-et al.) 19 February 2004 (19.02.2004), entire document.	3, 4, 15
Y	US 6,585,079 B1 (WEYER) 01 July 2003 (01.07.2003), entire document.	9, 12, 21, 24, 28
A	US 2,977,796 A (TROCHE et al.) 04 April 1961 (04.04.1961).	1-25, 28-29

Further documents are listed in the continuation of Box C. See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means		
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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.
A	US 4,759,685 A (SOUDA) 26 July 1988 (26.07.1988).	1-25, 28-29