

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 048 326 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
05.09.2001 Bulletin 2001/36

(51) Int Cl.⁷: A62C 33/04, A62C 27/00

(43) Date of publication A2:
02.11.2000 Bulletin 2000/44

(21) Application number: 00303566.4

(22) Date of filing: 27.04.2000

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 27.04.1999 GB 9909533

(71) Applicants:

- Fitzpatrick, Terence Gerard
Clough, Downpatrick BT30 8SJ (GB)
- Fitzpatrick, Richard
Clough, Downpatrick BT30 8SJ (GB)

(72) Inventors:

- Fitzpatrick, Terence Gerard
Clough, Downpatrick BT30 8SJ (GB)
- Fitzpatrick, Richard
Clough, Downpatrick BT30 8SJ (GB)

(74) Representative: Earnshaw, Geoffrey Mark et al
Murgitroyd & Company,
373 Scotland Street
Glasgow G5 8QA (GB)

(54) Rapid hose delivery apparatus

(57) A rapid hose delivery apparatus comprising an all-terrain vehicle and a hose deployment means is described. The all-terrain vehicle generally has four or more wheel drive, and preferably a low ground pressure. One such vehicle is a quad motorbike.

The apparatus is able to deploy 'in one go' hundreds if not 1000 or more meters of hose over any terrain. Such apparatus could be used for deployment of fire hose for supplying water across inaccessible terrain.

The apparatus may further include hose retrieval means for retrieving the hose after use.

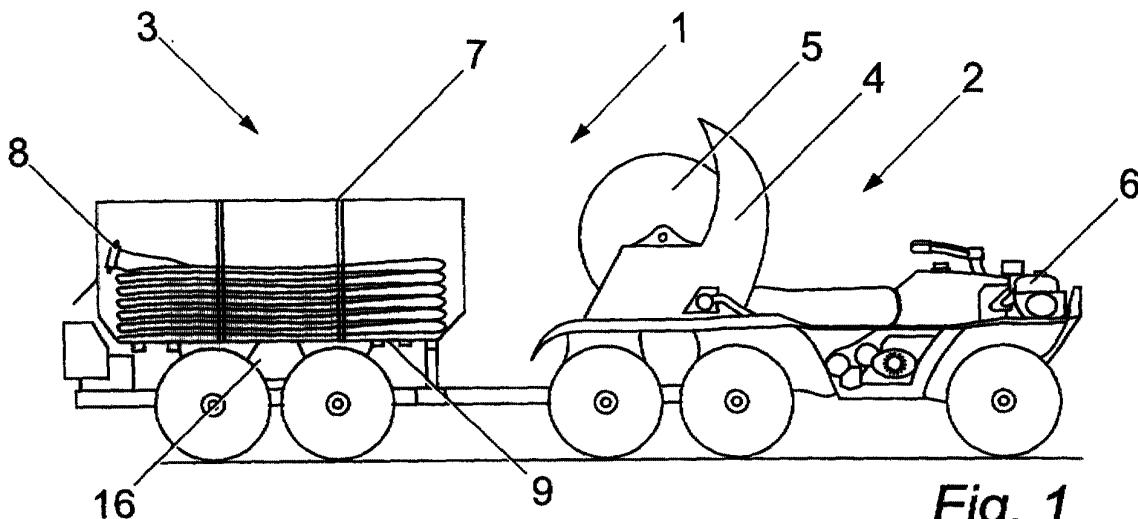


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 3566

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 98 44991 A (CARRIER BRIAN E ;CARRIER BONNIE L (US); MIDLANDS ATV INC (US)) 15 October 1998 (1998-10-15) * abstract; figure 5 *	1-3,5-9, 21-23, 27-29	A62C33/04 A62C27/00
X	US 5 573 300 A (SIMMONS MICHAEL C) 12 November 1996 (1996-11-12) * column 4, line 17-20; figure 2 *	1-3,5,6, 9,11, 13-15	
Y	---	16	
Y	EP 0 829 274 A (CAMIVA) 18 March 1998 (1998-03-18) * abstract; figures 1,2 *	16	
X	WO 97 20598 A (BROWN C COY) 12 June 1997 (1997-06-12) * abstract; figure 4 *	1-4,6,9, 11, 13-15,19	
Y	---	7,8,10, 12,17, 18,20	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Y	DE 94 11 015 U (GET SPEZIALTECHNIK GMBH HOLZMA) 1 September 1994 (1994-09-01) * figure 1 *	7,8,10	A62C B60P
Y	US 4 366 933 A (BROUSSARD KENNETH W) 4 January 1983 (1983-01-04) * abstract; figures *	8,10	
Y	DE 298 19 396 U (HES HANS G) 11 February 1999 (1999-02-11) * page 1, line 4-9; figure 1 *	12,17,18	
Y	FR 2 768 419 A (GILLARD SA G) 19 March 1999 (1999-03-19) * abstract; figure 1 *	20	
	---	-/-	
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
THE HAGUE	16 July 2001		van Bilderbeek, H.
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			



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 00 30 3566

DOCUMENTS CONSIDERED TO BE RELEVANT									
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)						
X	US 5 741 110 A (GRINAGE JR LLOYD) 21 April 1998 (1998-04-21) * abstract; figure 1 *	24							
Y	---	25, 26							
Y	DE 26 56 835 A (MAGIRUS DEUTZ AG) 22 June 1978 (1978-06-22) * figures *	25, 26							
A	US 3 601 038 A (HAYES ROBERT HENRY) 24 August 1971 (1971-08-24) * abstract; figure 1 *	1, 5-8, 11, 13							

			TECHNICAL FIELDS SEARCHED (Int.Cl.7)						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>16 July 2001</td> <td>van Bilderbeek, H.</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	16 July 2001	van Bilderbeek, H.
Place of search	Date of completion of the search	Examiner							
THE HAGUE	16 July 2001	van Bilderbeek, H.							
CATEGORY OF CITED DOCUMENTS		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							
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									

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

EP 00 30 3566

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-07-2001

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9844991	A	15-10-1998		US 6029750 A		29-02-2000
				AU 6892598 A		30-10-1998
US 5573300	A	12-11-1996		NONE		
EP 0829274	A	18-03-1998		FR 2753387 A		20-03-1998
WO 9720598	A	12-06-1997		US 5476146 A		19-12-1995
				AU 720081 B		25-05-2000
				AU 4508696 A		27-06-1997
				EP 0871518 A		21-10-1998
				JP 2000501958 T		22-02-2000
DE 9411015	U	01-09-1994		NONE		
US 4366933	A	04-01-1983		NONE		
DE 29819396	U	11-02-1999		NONE		
FR 2768419	A	19-03-1999		NONE		
US 5741110	A	21-04-1998		NONE		
DE 2656835	A	22-06-1978		NONE		
US 3601038	A	24-08-1971		NONE		