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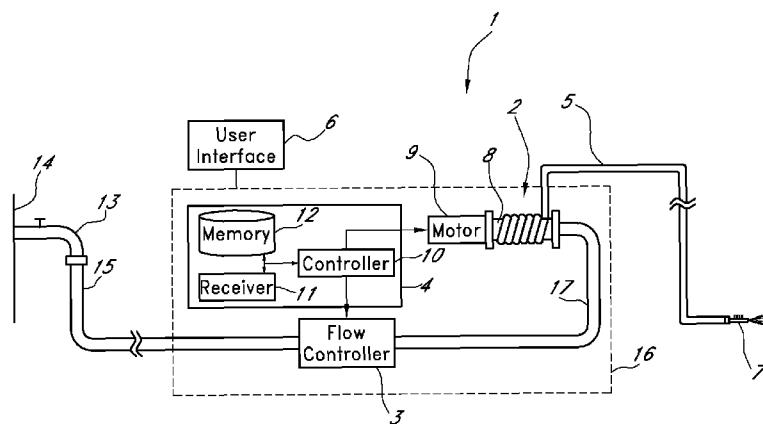
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16 October 2008(71) Applicant (for all designated States except US): **GREAT STUFF, INC.** [US/US]; 15504 Storm Drive, Austin, TX 78734 (US).

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(54) Title: REMOTE CONTROL FOR VALE AND HOSE REEL SYSTEM

**FIG. 1**(57) **Abstract:** An apparatus (1) includes a handheld element (100, 101) and a remote control (7). The handheld element (100, 101) has a proximal end (102), a distal end (104), and an internal flow conduit. The internal flow conduit (57) extends between the proximal (102) and distal (104) ends. The internal flow conduit (57) is configured to be in fluid communication with a hose (5). The remote control (7) is integrated with the handheld element (100, 101). The remote control (7) is configured to transmit wireless data signals for controlling a plurality of devices associated with the hose. The plurality of devices may include a reel (2), a valve system (3), a valve unit (52), and/or a plurality of valves (46).

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A. CLASSIFICATION OF SUBJECT MATTER		
INV.	B65H75/44	A01G25/16 B05B12/00
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) B65H B05B AOIG F16K		
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		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 381 962 A (TEAGUE JIM C [US]) 17 January 1995 (1995-01-17)	1,5-7,9, 11,13, 20,21, 23-29, 42,44, 45,48, 50,52, 55-59, 61-65, 74,76
Y	column 1, lines 10-26 column 2, lines 25-32	2-4, 37-41, 46,47
Y	column 4, line 14 - column 6, line 8 column 6, line 48 - column 8, line 21 figures	102-104, 107-112, 117-119, - / --
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> See patent family annex.
* Special categories of cited documents :		
"A" document defining the general state of the art which is not considered to be of particular relevance		
"E" earlier document but published on or after the international filing date		
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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Lemmen, Rene

INTERNATIONAL SEARCH REPORT

International application No
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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
Y	----- US 2004/231723 AI (HARRINGTON JEFFREY M [US] ET AL) 25 November 2004 (2004-11-25) cited in the application paragraphs [0003] - [0005] , [0007] , [0008] , [0012] , [0014] , [0020] , [0041] - [0043] , [0066] , [0068] - [0072] , [0078] ; claim 10; figures -----	121-124 2-4 , 37-41 , 46,47
A	US 2006/000936 AI (CAAMANO RAMON A [US] ET AL CAAMANO RAMON ANTHONY [US] ET AL) 5 January 2006 (2006-01-05) cited in the application paragraphs [0027] - [0033]	1,37,42 , 44,48, 50,66, 74,78,97
Y	paragraphs [0069] - [0072] , [0076] , [0077] , [0082] ; claims 8,9; figures	139-143 105 , 106, 125
X	paragraphs [0098] , [0099] , [0102] , [0104] ----- paragraph [0047] ; figures -----	86-91 , 94-96
A	US 2006/266868 AI (CAAMANO RAY [US] ET AL) 30 November 2006 (2006-11-30) cited in the application paragraph [0047] ; figures -----	1,37,42, 44,48, 50,66, 74, 78
X	US 2005/087644 AI (KIM SANG S [KR]) 28 April 2005 (2005-04-28) paragraph [0064] ; figure 9 -----	1-3,9, 37 , 38,48
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A	WO 00/71916 A (NELSON CORP L R [US]) 30 November 2000 (2000-11-30) ----- page 8, lines 9-15 page 9, line 12 - page 10, line 12	1,37,42, 44,48, 50,66, 74, 78
Y	----- page 13, line 22 - page 14, line 4 page 15, line 9 - page 18, line 9 figures -----	102-112 , 117-119, 121-125 116
A	US 6 337 635 B1 (ERICKSEN KENT C [US] ET AL) 8 January 2002 (2002-01-08) column 2, line 43 - column 4, line 13 column 5, line 4 - column 9, line 27; figures ----- -----	102 , 116 -/-

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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	WO 99/22589 A (PRO MARK INC [US]; ERICKSEN KENT C [US]; ELZEY JAMES A [US]; HAYES KIM) 14 May 1999 (1999-05-14) page 6, lines 6-13 page 7, lines 2-4 page 11, line 20 - page 12, line 20; figures -----	102,116
A	EP 0 898 879 A (GARDENA KRESS & KASTNER GMBH [DE]) 3 March 1999 (1999-03-03) paragraphs [0006], [0008], [0019], [0022], [0027], [0028], [0036], [0037]; figures -----	102,116
A	US 2002/166986 A1 (REMBY THOMAS D [US] ET AL) 14 November 2002 (2002-11-14) figures -----	102,116
X	EP 0 035 892 A (HEATRAE SADIA HEATING LTD [GB]) 16 September 1981 (1981-09-16) page 9, line 4 - page 10, line 8; figure 7 -----	129-131, 137,138
X	US 6 561 481 B1 (FILONCZUK MICHAEL A [US]) 13 May 2003 (2003-05-13) column 7, lines 9-16; figures -----	1,5-7, 129-131
X	US 7 014 166 B1 (WANG HSIANG HUNG [TW]) 21 March 2006 (2006-03-21) column 3, line 56 column 6, lines 15-18; figures -----	129
A	US 2002/096213 A1 (JACOBSEN RON [US] ET AL) 25 July 2002 (2002-07-25) figures 1,2 -----	132

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. **D** Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ASA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-85

Apparatus with a handheld element having an internal flow conduit in fluid communication with a hose and an integrated remote control for transmitting wireless data signals for controlling a device associated with the hose

2. claims: 86-101

Hose reel with a programmable electronics unit in combination with a motor controller and a flow controller and method of operation thereof

3. claims: 102-128

Remotely programmable flow control system

4. claims: 129-138

Flow controller with a first and a second valve in series

5. claims: 139-143

Hose reel system with a user interface in communication with a motor and valve controller and method of operation thereof

INTERNATIONAL SEARCH REPORT

Information on patent family members

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