



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.02.2013 Bulletin 2013/07

(51) Int Cl.:
B08B 3/02 (2006.01) **E03F 7/10** (2006.01)
B60P 3/14 (2006.01)

(43) Date of publication A2:
05.09.2012 Bulletin 2012/36

(21) Application number: **11009659.1**

(22) Date of filing: **07.12.2011**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(71) Applicant: **Commerciale Sicula s.r.l.**
94013 Leonforte (EN) (IT)

(72) Inventor: **Vinciprova, Armando**
94013 Leonforte (EN) (IT)

(30) Priority: **13.12.2010 IT DP20100015**

(54) **High pressure cleaning device**

(57) The invention relates to a system of spraying of the disinfectant and against fermentation product, in the liquid state, which is used in the chemical/biological portable restrooms.

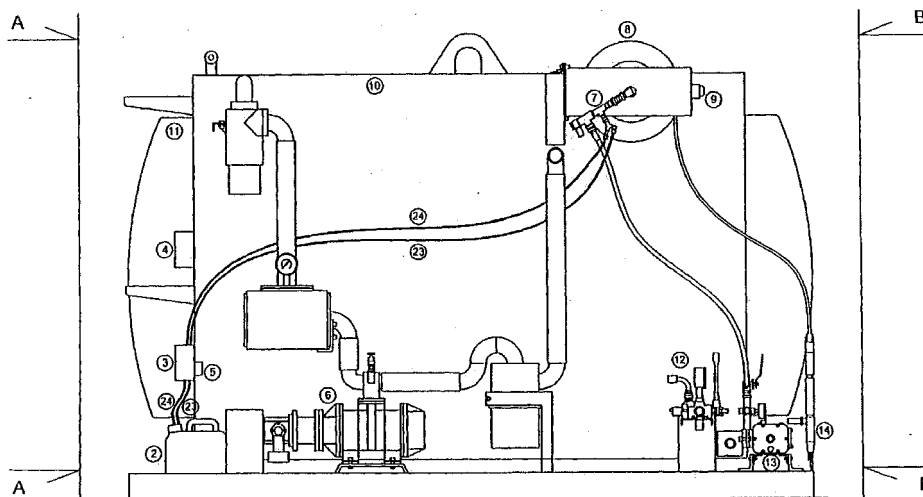
The system is interfaced to the equipment suitable for the portable restrooms cleaning and pumping that is present in the service vehicles, used, precisely, for the assistance of pumping and cleaning on these portable restrooms.

The peculiarity of the interfacing is constituted by the

advantage of using the high-pressure circuit water present on such pumping and cleaning equipment, without it being necessary to build an autonomous circuit for ensuring the removal of the fluid from the tank and spraying it inside the portable toilets septic tank.

The invention in topic, also has the advantage, compared to the manual systems currently used, of power perform the operation of spraying in a very short time (20 seconds approximately, instead of few minutes) and without waste of liquid.

Drawing 1: frontal view of the pumper-cleaner portable restroom equipment





EUROPEAN SEARCH REPORT

Application Number
EP 11 00 9659

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 4 821 958 A (SHAFFER) 18 April 1989 (1989-04-18) * abstract * * column 1, line 5 - line 20 * * column 3, line 16 - column 4, line 14 * * column 5, line 21 - column 6, line 3 * * claims * * figures *	1,2	INV. B08B3/02 E03F7/10 B60P3/14
A	NL 1 025 200 C1 (ROM BV) 12 July 2005 (2005-07-12) * abstract * * page 1, line 3 - line 31 * * page 5, line 16 - line 23 * * page 9, line 3 - line 7 * * claims * * figures *	1,2	
			TECHNICAL FIELDS SEARCHED (IPC)
			B08B E03F B60P A47K
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 4 January 2013	Examiner van der Zee, Willem
<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 & : member of the same patent family, corresponding document</p>			

1
EPO FORM 1503 03.82 (P04C01)

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

EP 11 00 9659

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.

04-01-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4821958 A	18-04-1989	AU 2480188 A	31-03-1989
		CA 1318832 C	08-06-1993
		GB 2230712 A	31-10-1990
		US 4821958 A	18-04-1989
		WO 8901828 A1	09-03-1989

NL 1025200 C1	12-07-2005	NONE	
