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(12)

## **EUROPEAN PATENT APPLICATION**

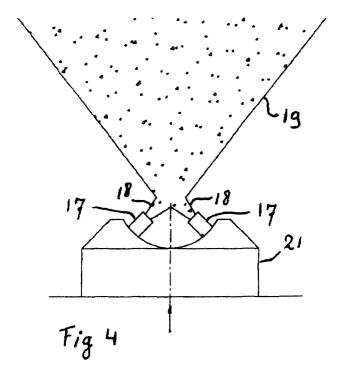
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- (54) Method for dispensing a fluid, method for generating foam and systems to carry out said methods
- (57) Method of dispensing a fluid, such as foam, wherein from two spaced locations respective interdirected fluid jets, particularly foam jets, are generated to

make a combined fluid jet, particularly a cone or fan shaped fluid jet, and wherein the fluid is preferably a highly concentrated detergent with one or more substances.





## **EUROPEAN SEARCH REPORT**

Application Number EP 99 20 2659

Category	Citation of document with of relevant pass	indication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)	
X	US 4 341 350 A (WEI 27 July 1982 (1982 * column 6, lines * column 8, line 60 * column 10, lines * figures 1-4 *	-07-27) 5-37; 0 - column 9, line 16:	1-6	A47L15/00 805D1/02 A47L15/44 B05B1/02	
x	US 5 011 330 A (KI 30 April 1991 (1991 * column 2, line 45 figures 2-4 *	TTLE PAUL A ET AL) 1-04-30) 5 - column 3, line 44;	1-6		
	US 4 790 485 A (YAM 13 December 1988 (1 * column 1 lines 5- * column 2 lines 35 * figure 1 *	.988-12-13) -10 *	1		
A,D	EP 0 465 454 A (EPE 8 January 1992 (199 * the whole documen	NHUYSEN CHEM FAB) 2-01-08) t *	1-6	TECHNICAL FIELDS SEARCHED (Int.CL7) A47 L B05D B05B	
	The present search report has b	een drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
N	MUNICH	21 November 2001	Cagr	noli, M	
X : partici Y : partici docum A : techno	EGORY OF CITED DOCUMENTS ularly relevant if taken alone ularly relevant if combined with anoth lent of the same category ological background ritten disclosure	L : document clied to	ument, but publish the application tother reasons	ed on, or	

EPO FORM 1503 03.82 (P04C01)



Application Number

EP 99 20 2659

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search lees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:  1-6



## LACK OF UNITY OF INVENTION SHEET B

Application Number EP 99 20 2659

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-6

Generation of two interdirected fluid jets

2. Claims: 7-10

Foam generation

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

EP 99 20 2659

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.

21-11-2001

Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
US	4341350	А	27-07-1982	NONE		
US	5011330	Α	30-04-1991	CA JP	2036194 A1 4225853 A	09-02-1992 14-08-1992
US	4790485	A	13-12-1988	JP JP JP CA DE EP	1960185 C 6085895 B 62204874 A 1269524 A1 3763149 D1 0237207 A1	10-08-1995 02-11-1994 09-09-1987 29-05-1990 19-07-1990 16-09-1987
ΕP	0465454	A	08-01-19 <b>9</b> 2	NL AT DE DE DK EP ES	9001543 A 117186 T 69106792 D1 69106792 T2 465454 T3 0465454 A1 2069872 T3	03-02-1992 15-02-1995 02-03-1995 07-09-1995 19-06-1995 08-01-1992 16-05-1995
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82