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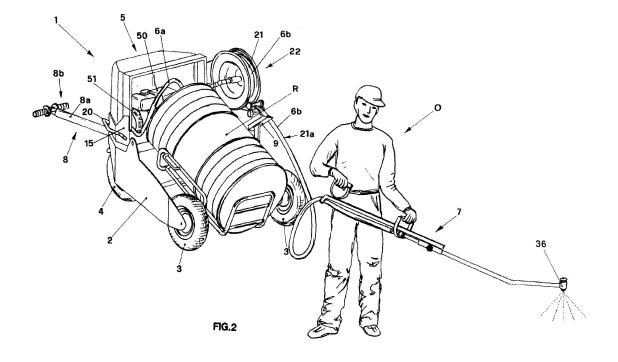
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(54) Sprayer particularly suitable for spraying bitumen emulsions.

(57) The invention is a sprayer (1) for bitumen emulsions, comprising: a frame (2) resting on wheels (3, 4); guide means (8) that are combined with the frame (2) and can be manoeuvred by the operator (O); supporting means (10) for a tank (R) containing the bitumen emulsion to be sprayed and associated with the frame (2);

means (7) for spraying the bitumen emulsion that can be grasped by the operator (O); a pumping unit (5) comprising a pipe (6a) for drawing the bitumen emulsion from the tank (R) and a delivery pipe (6b) connected to the spraying means (7). The pumping unit (5) belongs to a removable support structure (15) associated with the frame (2) via coupling means (16).





EUROPEAN SEARCH REPORT

Application Number EP 05 10 9494

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with in of relevant passa	dication, where appropriate, ges	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Х	CH 364 183 A (GERBE 31 August 1962 (196	2-08-31)	1,12	INV. E01C19/17
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Υ	FR 802 482 A (AMMAN 5 September 1936 (1 * page 1, lines 39-	936-09-05)	7	
Υ	GB 425 444 A (FRANK 14 March 1935 (1935 * page 1, lines 73-	-03-14)	8	
Υ	GB 106 125 A (HENRY JAMES MOLYNEUX; DAV 8 May 1917 (1917-05 * page 3, lines 42-	ID HARRIS) -08)	13	TECHNICAL FIELDS SEARCHED (IPC)
A	GB 989 355 A (AUTOG 14 April 1965 (1965 * page 2, lines 28- * page 3, lines 72-	-04-14) 40 *	1	E01C B05B
	The present search report has k	peen drawn up for all claims Date of completion of the search		Examiner
	Munich	2 February 2006	Flo	ores Hokkanen, P
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anothement of the same category nological background written disclosure mediate document	L : document cited	ocument, but publi ate I in the application for other reasons	shed on, or

EPO FORM 1503 03.82 (P04C01)



Application Number

EP 05 10 9494

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 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 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: 1-5, 6, 7, 8, 12, 13



LACK OF UNITY OF INVENTION SHEET B

Application Number

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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: 1-5

Sprayer with a pumping unit support structure coupled to its frame by pins and holes

1.1. claim: 6

Sprayer with a pumping unit support structure with handles

1.2. claim: 7

Sprayer with supporting means allowing rotation of its tank

1.3. claim: 8

Sprayer with rod and handle guide means

1.4. claims: 12,13

Sprayer with a pumping unit including suction pipe with

Tilter

2. claims: 9-11

Sprayer with spraying means including holding means and

telescopic connections

3. claims: 14-18

Sprayer with unwinder-winder unit of the delivery pipe

4. claims: 19,20

Sprayer with solvent liquid container in its suction pipe

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

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

EP 05 10 9494

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.

02-02-2006

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