

①⑨



Europäisches Patentamt
European Patent Office
Office européen des brevets

①① Publication number:

0 119 057
A3

①②

EUROPEAN PATENT APPLICATION

②① Application number: **84301516.5**

⑤① Int. Cl.⁴: **B 05 B 12/00**

②② Date of filing: **07.03.84**

③⑥ Priority: **10.03.83 US 474201**

④③ Date of publication of application: **19.09.84**
Bulletin 84/38

⑧④ Designated Contracting States: **DE FR GB**

⑧⑧ Date of deferred publication of search
report: **22.01.86 Bulletin 86/4**

⑦① Applicant: **NORDSON CORPORATION, 555 Jackson
Street P. O. Box 151, Amherst Ohio 44001 (US)**

⑦② Inventor: **Merkel, Stephen L., 380 Oakmoor Road, Bay
Village Ohio 44140 (US)**

⑦④ Representative: **Allen, Oliver John Richard et al, Lloyd
Wise, Tregear & Co. Norman House 105-109 Strand,
London, WC2R 0AE (GB)**

⑤④ **Dispenser malfunction detector.**

⑤⑦ A dispenser for fluid under pressure has a sensor af-
fixed to it to sense the pressure of the fluid proximate the
dispenser discharge opening to generate a pressure reflec-
tive signal. A comparator is connected to receive the pres-
sure reflective signal to compare the pressure signal with
a preselected band of pressure values which are selected
to reflect operating pressures when the dispenser dis-
charge opening is opened. The comparator generates a
malfunction signal when the sensed pressure signal is out-
side the preselected band.

EP 0 119 057 A3



European Patent
Office

EUROPEAN SEARCH REPORT

0119057
Application number

EP 84 30 1516

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. 3)
P, A	US-A-4 420 957 (WEBER) * Column 2, lines 6-13; column 6, lines 6-44; figures 1, 2 *	1-3, 7, 8	B 05 B 12/00
A	--- US-A-3 763 380 (HOMER et al.) * Column 4, lines 31-63; column 8, lines 52-54; figure 1 *	4-9	
A	--- FR-A-2 135 505 (TUNZINI SAMES SA) * Page 3, lines 3-8 *	1, 2, 7, 8	
A	--- US-A-4 313 111 (ANDERSON) * Column 3, line 64 - column 4, line 8 *	1, 2, 7, 8	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 7)
			B 05 B G 01 P G 01 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-10-1985	Examiner JUGUET J.M.
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			

