

Title (en)  
Device for supplying liquid cleaner

Title (de)  
Vorrichtung zum Zuführen von flüssigem Reinigungsmittel

Title (fr)  
Dispositif d'alimentation du produit de nettoyage liquide

Publication  
**EP 0916492 A1 19990519 (EN)**

Application  
**EP 97119983 A 19971114**

Priority  
EP 97119983 A 19971114

Abstract (en)  
The branches of the channels for feeding the cleaning fluids, formed in the dispensing bar (1), continue to fork (B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15), optionally finally splitting into three-way branches (T1, T2, T3, T4, T5, T6, T7, T8), until each dispensing hole (10) is fed by its own channel, so that the flow of fluids is distributed essentially in equal amounts and at the same pressure between the various dispensing holes (10) in the bar. The cleaning liquids are fed by respective reciprocating positive displacement pumps (63, 163) which are activated by pneumatic actuators (65, 165) having a piston which is suitably larger than the piston (64, 164) of the said pumps and being activated by the stream of air produced by the same source and at the same pressure as that conveyed to the dispensing bar, mixed together with the liquids dispensed by the pumps, in order to convey and atomize the said liquids. This ensures that the delivery pressure of the cleaning liquids is always correlated to and greater than the pressure of the stream of air, even when the latter is subject to variations in pressure. <IMAGE> <IMAGE>

IPC 1-7  
**B41F 35/00**; **B41F 35/06**

IPC 8 full level  
**B41F 35/00** (2006.01)

CPC (source: EP)  
**B41F 35/00** (2013.01); **B41P 2235/24** (2013.01); **B41P 2235/26** (2013.01); **B41P 2235/31** (2013.01)

Citation (search report)  
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• [Y] US 4540445 A 19850910 - BURNS JR WILLIAM P [US]  
• [Y] DE 19619143 A1 19971113 - HEIDELBERGER DRUCKMASCH AG [DE]  
• [Y] US 2525982 A 19501017 - WESCOTT WILLIAM B

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