

Title (en)
Liquid filter for a vacuum cleaner

Title (de)
Flüssigkeitsfilter für einen Staubsauger

Title (fr)
Filtre à liquides pour aspirateur

Publication
EP 0702924 A2 19960327 (EN)

Application
EP 95111182 A 19950717

Priority
IT VA940024 A 19940715

Abstract (en)
To establish in the vacuum cleaner reservoir of a vacuum cleaner a wet sprinkling process to take away from ambient air and /or from air sucked up at least the dust, such reservoir is provided with a chain of components comprised by: a removable tubular appendix (2) ; a bag-like multitask filter (101); a multitask flanged drum (5), whose upper flange (55) provides a "u" cross- sectioned water tight channel, and whose bottom flange (5') includes a number of sprinkling passages (100); an annular droplet wall or dam (6); a four-legged spacer or support (12); a filter (8) made by mineral imputrescible fibres; and a water pool . The optimum of the members of the chain may be determined by the formula: $Q = \frac{D \cdot T}{u_0 \cdot u_e}$ wherein Q = Fluid flow; D= Degree of drop distribution T= Water transfer; u_0 = Optimal wetting (of the filter) u_e = Actual wetting (of the filter) <IMAGE>

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