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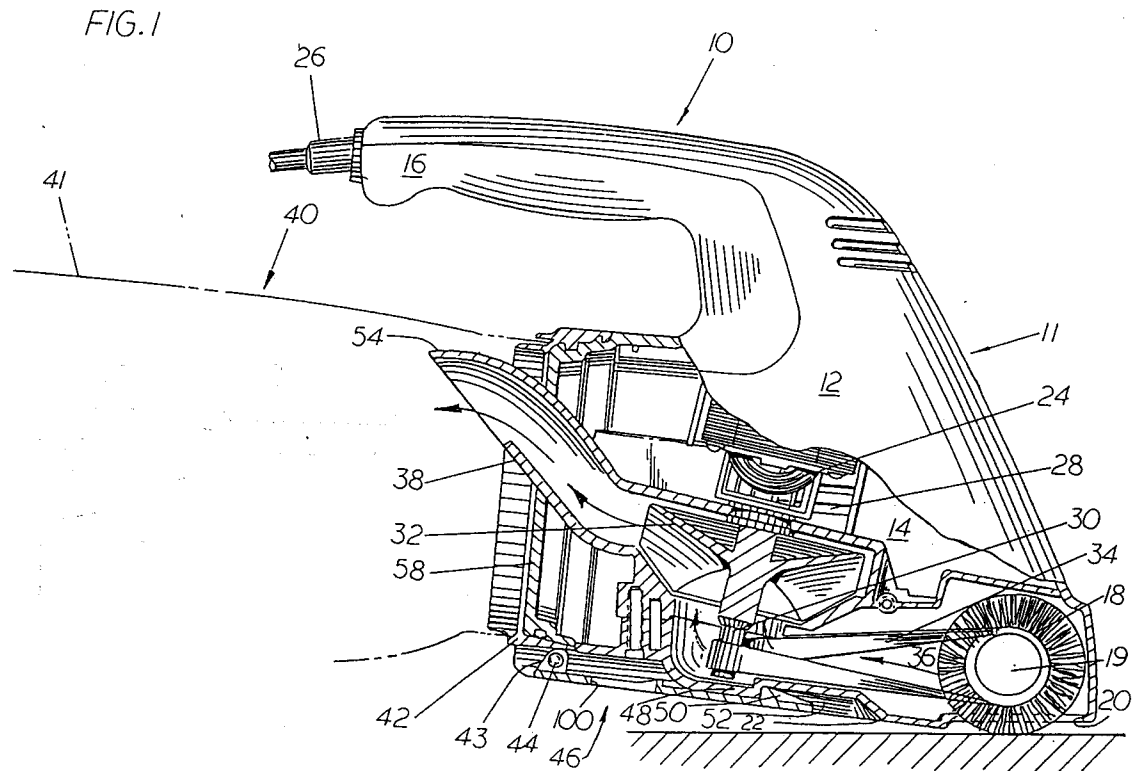
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Hand-held vacuum cleaner.

A hand-held vacuum cleaner (10) includes a housing (11) having first and second half housing elements (12, 14). The housing (11) has a handle (16) and a nozzle (20). A motor (24) is mounted within the housing (11) for driving a shaft (30). A fan (32) is mounted on the shaft for rotation therewith. A selectively separable bag assembly (40) is mounted on the housing (11). A working air channel (36) is

formed within the housing (11) for communicating the nozzle (20) with the bag assembly (40). The air channel (36) terminates in a working air outlet chute (38) positioned within the bag assembly (40) at its open upper end. The air channel (36) directs the working air upwardly within the cleaner (10) from the outlet of the fan (36) to the outlet chute (38).





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EUROPEAN SEARCH REPORT

Application Number

EP 91 31 1740

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.5)
Y	FR-A- 867 342 (HOOVER S.A.) * The whole specification * ---	1,2,4-10	A 47 L 5/26 A 47 L 9/04
Y	US-A-3 189 933 (A.H. SMITH) * The whole specification * ---	1,2,4-10	
A	GB-A- 910 383 (S.D. RAND) * Figures 1-3 * ---	1,2	
A	DE-A-2 219 375 (SIEMENS-ELECTROGERÄTE GmbH) * The whole specification * ---	1,2,4-10	
A	US-A-1 506 231 (F.W. FINKHOUSEN) * Figures * ---	1,2	
A	FR-A- 710 145 (VORWERK & CO.) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			A 47 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17-03-1992	Examiner VANMOL M.A.J.G.
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			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees 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 claims:
- ☐ 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 requirement 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.
- ☐ 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 has 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, 2, 4-10



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LACK OF UNITY OF INVENTION

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

1. Claims 1,2,4-10: Internal structure of a hand-held vacuum cleaner
2. Claim 3: Nozzle connector for a hand-held vacuum cleaner