Motor cap and housing for wet/dry vacuum.

A wet/dry vacuum cleaner (20), including an accumulating tank (21) having a removable top (25) which mounts an electric motor (26) and suction producing fan (29) driven by the motor (26), is provided with a molded plastic cap (23) for the motor (26) and a separate molded plastic cover (27) fitted over the cap (23). An electric junction box (167) molded integrally with the cap (23) is provided with a snap-fitted removable perforated cover (170). The motor cover (23) is provided with inlet and exhaust apertures (76, 77) for motor cooling air, and cooperates with the cap (23) to direct the cooling air from the inlet (76), through the motor (26) and out the exhaust (77) while some of the cooling air also passes through the junction box (167). To facilitate inspection and servicing, the motor cover (27) and cap (23) are removable without disturbing mechanical mounting of other components and without opening the junction box (167).
### EUROPEAN SEARCH REPORT

**Application Number**

**EP 87 11 7458**

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#### DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document with indication, where appropriate, of relevant passages</th>
<th>Relevant to claim</th>
<th>CLASSIFICATION OF THE APPLICATION (Int. Cl.4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D,X</td>
<td>US-A-4 538 971 (MILLER) * claim 1; figure 1, positions 27,28 *</td>
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<td>A 47 L 7/00</td>
</tr>
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<td>A 47 L 9/22</td>
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<td>1,5-7</td>
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<td>1,5,6</td>
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<td>US-A-4 138 761 (NAUTA) * claim 1; figure 4 *</td>
<td>1</td>
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</tr>
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</table>

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**TECHNICAL FIELDS SEARCHED (Int. Cl.4)**

| A 47 L 7/00 |
| A 47 L 9/00 |

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The present search report has been drawn up for all claims.

**Place of search**

BERLIN

**Date of completion of the search**

07-07-1988

**Examiner**

SCHLAITZ J

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**CATEGORY OF CITED DOCUMENTS**

- **X**: particularly relevant if taken alone
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