TITLE: TOOL FOR THE REMOVAL OF PAINT-LIKE MATERIALS FROM WORK SURFACES

Abstract: A tool for the removal of paint and putty includes a semi-circular assembly (30) including a semi-circular rigid collar (22). The tool also includes a disk-like abrading assembly (16) rotatably and co-axially mounted within the semi-circular collar (22) of the housing (30), the assembly including rigidly disposed abrading elements (18) projecting both axially and radially, the assembly defining a plane of rotation. The tool further includes a motor (17) for high speed rotation of the assembly (16), the motor located externally of the housing (30). The tool also includes bearings (32) for establishing a fixed axial cutting depth relative to a primary work surface positioned thereagainst, in which the bearings (32) function as a buffer between the abrading assembly and the work surface to thereby improve control and mobility of the assembly relative to the primary work surface. A platform (29) is disposed between the assembly housing (30) and the motor (17), in which the platform is preferably coplanar with the plane of rotation of the abrading assembly (16). The platform is rigidly secured to the motor. The tool yet further includes an element (26) for tilting the assembly housing (30) relative to the platform (29) to expose a greater area of the abrading assembly (16) to increase depth of cutting in an axial direction upon the primary work surface at that side of the abrading assembly which is tilted.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : B24B 23/02, 23/00; B26B 3/00; B23C 7/00
   US CL : 451/344, 451, 350, 357; 30/172
   According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
   Minimum documentation searched (classification system followed by classification symbols)
   U.S. : 451/344, 451, 350, 357; 30/172

   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

   Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category *</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>US 3,028,152 A (SCHOLL ET AL.) 03 APRIL 1962 (03.04.1962)</td>
<td>NONE</td>
</tr>
<tr>
<td>A</td>
<td>US 5,527,207 A (AZAR ET AL.) 18 JUNE 1996 (18.06.1996)</td>
<td></td>
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<tr>
<td>A</td>
<td>US 3,708,880 A (NORFLEET) 09 JANUARY 1973 (09.01.1973)</td>
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Date of the actual completion of the international search
29 November 2002 (29.11.2002)

Date of mailing of the international search report
16 JAN 2003

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Form PCT/ISA/210 (second sheet) (July 1998)