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(11) **EP 0 884 139 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**23.06.1999 Bulletin 1999/25**

(51) Int. Cl.<sup>6</sup>: **B25D 17/11, G10K 11/168**

(43) Date of publication A2:  
**16.12.1998 Bulletin 1998/51**

(21) Application number: **98110511.7**

(22) Date of filing: **09.06.1998**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**

Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **12.06.1997 IT MO970109**

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(54) **Oleohydraulic demolition hammer**

(57) The hammer is meant to reduce the noise pollution produced by the vibrations generated by the work of the tool (5). This is achieved by hot-pouring a polyurethane substance (13) between coaxial walls (10, 11) of the casing (7). The substance tensions the walls and thus reduces the vibrations emitted by the casing. The hammer is used in rock and building demolition machines.

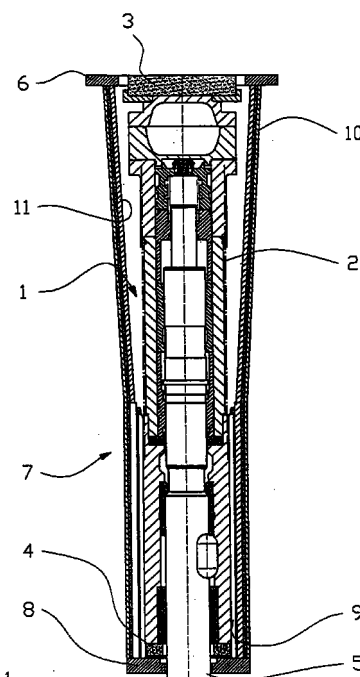


FIG. 1

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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 11 0511

| DOCUMENTS CONSIDERED TO BE RELEVANT  |  |  |  |
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| Category   | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim  | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| Y  | CH 453 252 A (ATLAS COPCO AG) 14 June 1968<br>* column 4, line 16 - line 50 *<br>* column 5, line 19 - line 58 *<br>---          | 1,2,5-8  | B25D17/11<br>G10K11/168                      |
| Y  | WO 92 19398 A (SOUNDWICH INC)<br>12 November 1992<br>* page 19, line 6 - line 14 *<br>---  | 1,2,5-8  |  |
| A  | GB 1 254 522 A (ADAMAS, SHARLAN)<br>24 November 1971<br>* page 2, line 19 - line 24 *<br>* page 2, line 69 - line 103 *<br>----- | 1-8  |  |
|  |  |  | TECHNICAL FIELDS SEARCHED (Int.Cl.6)         |
|  |  |  | B25D<br>G10K                                 |
| The present search report has been drawn up for all claims   |  |  |  |
| Place of search<br><b>THE HAGUE</b>  |  | Date of completion of the search<br><b>28 April 1999</b> | Examiner<br><b>Garrido Garcia, M</b>         |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p> |  |  |  |

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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The members are as contained in the European Patent Office EDP file on  
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28-04-1999

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