



(11) **EP 1 782 926 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
29.12.2010 Bulletin 2010/52

(51) Int Cl.:
B25G 3/04 (2006.01) **B25G 3/20** (2006.01)
B25D 17/04 (2006.01)

(43) Date of publication A2:
09.05.2007 Bulletin 2007/19

(21) Application number: **06123488.6**

(22) Date of filing: **03.11.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK RS

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(30) Priority: **08.11.2005 IT TO20050785**

(54) **Work tool comprising a head and a handle, and assembling method thereof**

(57) The present invention relates to a work tool (1) comprising a head (10) and a handle (20), wherein the head (10) is preferably made of a non-deformable material and has a hole (11).

The invention is characterized in that said handle (20) comprises:

- a core (30) having a first end (31), a second end (32) and an intermediate body (33), and
- a sleeve (40) having a first portion (41), a second portion (42) and an intermediate portion (43), said sleeve (40) being adapted to secure said core (30), in particular said second end (32), in said hole (11) by interference.

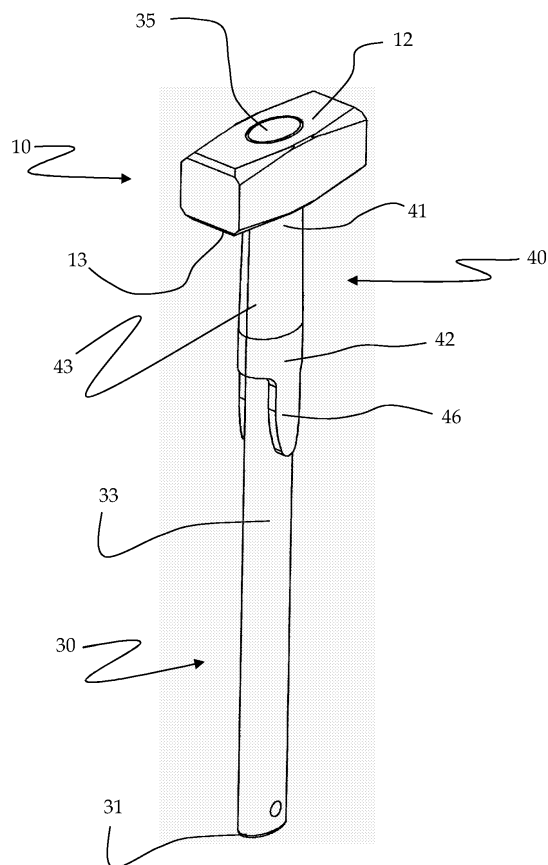


Fig. 2b



EUROPEAN SEARCH REPORT

Application Number
EP 06 12 3488

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Y	* column 5, line 28 - column 7, line 46; figures 1-3 *	17	
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<div style="display: flex; justify-content: space-between;"> 3 The present search report has been drawn up for all claims </div>			
Place of search Munich		Date of completion of the search 18 November 2010	Examiner Flodström, Benny
<div style="display: flex; justify-content: space-between;"> <div> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> </div> <div> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p> </div> </div>			

EPO FORM 1503 03 82 (P04C01)



EUROPEAN SEARCH REPORT

Application Number
EP 06 12 3488

DOCUMENTS CONSIDERED TO BE RELEVANT			
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			TECHNICAL FIELDS SEARCHED (IPC)
<div style="display: flex; justify-content: space-between;"> 3 The present search report has been drawn up for all claims </div>			
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EPO FORM 1503 03.82 (P04C01)



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements 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.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☒ 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:

1-3, 5-9, 15-22

☐ None 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 invention first mentioned in the claims, namely claims:

☐ The present supplementary 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 (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number

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

1. claims: 1-3, 5-9

A tool comprising potential special technical features relating to the first end (31) and the intermediate body (33) of the core (30) being so provided as to have a cross section being smaller than said hole (11).

2. claim: 4

A tool comprising potential special technical features relating to said second end (32) comprising stop means (35).

3. claim: 10

A tool comprising potential special technical features relating to said grip (50) being made of a plastic material.

4. claim: 11

A tool comprising potential special technical features relating to said grip (50) comprising a cavity (54) substantially extending along the axis of said grip (50) and having a shape and a cross section complementary to the outer surface of the core (30) and suitable for containing said core (30).

5. claim: 12

A tool comprising potential special technical features relating to the outer surface of said grip (50) comprising a plurality of grip means (55).

6. claims: 13, 14

A tool comprising potential special technical features relating to the first section of the grip and the second portion of the sleeve comprising securing means.

7. claims: 15-22

A method for assembling a work tool tool comprising potential special technical features relating to particular method steps.

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

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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18-11-2010

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82