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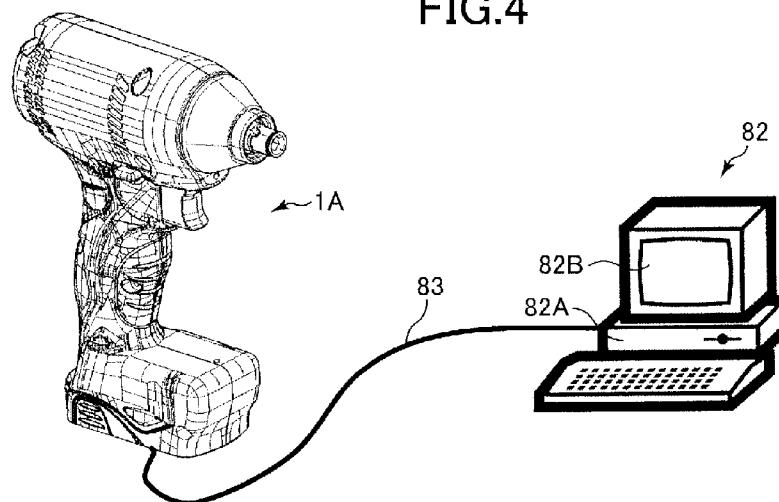
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[Continued on next page]

(54) Title: POWER TOOL

[Fig. 4]

FIG.4



(57) Abstract: A power tool includes: a motor configured to be driven based on one of a plurality of drive modes; a mode selection switch; a control portion. The control portion is configured to operate responsive to a first operation to assign one or more drive modes preselected from the plurality of drive modes to the mode selection switch. A second operation different from the first operation is capable of manipulating the mode selection switch to select one drive mode from the one or more preselected drive modes, the control portion being further configured to control the motor based on the one drive mode selected by the mode selection switch.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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)
B25F B25B

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)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/30624 A2 (INGERSOLL RAND CO [US]) 18 April 2002 (2002-04-18) page 4, line 4 - page 7, line 8; figures -----	1-4
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X	DE 199 61 374 A1 (VOLKSWAGEN AG [DE]) 21 June 2001 (2001-06-21) column 2, line 59 - column 4, line 40; figures -----	1-4
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent but published on or after the international filing date

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 December 2012

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/028749 A1 (SNAP ON TECH INC [US]; CUTLER BRIAN J [US]; DUVAN DAVID [US]; KEEFE GA) 8 April 2004 (2004-04-08) page 10, line 1 - page 12, line 6; figures -----	1-4
A	JP 2011 031313 A (HITACHI KOKI KK) 17 February 2011 (2011-02-17) cited in the application the whole document -----	1-18
X	WO 2009/141705 A1 (ATLAS COPCO BLM S R L [IT]; CHIAPUZZI ANGELO [IT]) 26 November 2009 (2009-11-26) page 3, lines 11-15 page 5, lines 3-13 page 6, lines 11-24; figures -----	5-12,14, 17,18
A		13,15,16
X	DE 199 04 776 A1 (WILHELM RAIMUND [DE]) 10 August 2000 (2000-08-10) page 4, line 46 - page 5, line 12; figures -----	5-13,15, 17,18
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X	FR 2 894 505 A1 (GEORGES RENAULT SOC PAR ACTION [FR]) 15 June 2007 (2007-06-15) page 1, lines 13-22 page 6, line 23 - page 7, line 14; figures -----	5-12,17, 18
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A		13,15

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2012/003305

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 2

A power tool comprising comprising potential special technical features relating to a mode selection switch and the control portion being configured to operate responsive to a first operation to assign one or more drive modes preselected from the plurality of drive modes to the mode selection switch.

2. claims: 3, 4

A power tool comprising comprising potential special technical features relating to a second storing portion configured to store one or more control modes selected from a plurality of control modes stored in a first storing portion.

3. claims: 5-18

A power tool, an overwriting system and an overwriting method comprising comprising potential special technical features relating to a connection unit that is configured to connect the power tool with an external overwriting unit (computer) to execute both of power supply and signal transmission from the external overwriting unit to the control portion.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/JP2012/003305

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