



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.12.2015 Bulletin 2015/49

(51) Int Cl.:
B25B 23/00 (2006.01) **B25B 23/12** (2006.01)
B25B 13/06 (2006.01)

(43) Date of publication A2:
02.09.2015 Bulletin 2015/36

(21) Application number: **15156932.4**

(22) Date of filing: **27.02.2015**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

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(30) Priority: **27.02.2014 US 201414191534**

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(54) **Cleanable magnetic driver for threaded fasteners**

(57) A driver (510) for driving a threaded fastener includes a shank (514) and a sleeve (516). The shank (514) has a rear portion (14) configured to be coupled to a power tool. The sleeve defines a bore (518) having a round rear portion (519) and a polygonal front socket (522). An inner shaft (524) has a round rear portion received in the bore and a polygonal front portion (520) that matches the polygonal socket and that includes a magnet holder with front and rear magnetic portions (531, 533). An actuator is coupled to the inner shaft (524) to move the inner shaft (524) between a rear position where the front magnetic portion (533) is within the socket (522), and a front position where the front magnetic portion (533) is exposed from the socket (522) for cleaning. The rear magnetic portion (531) magnetically attracts the inner shaft toward a rear end of the internal bore to bias the inner shaft toward the rear position.

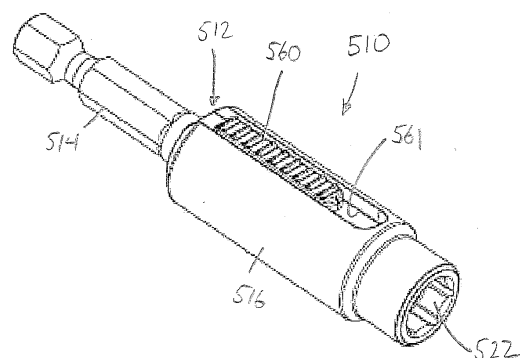


FIG 30A



EUROPEAN SEARCH REPORT

Application Number
EP 15 15 6932

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 October 2015	Examiner Schultz, Tom
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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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20-10-2015

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EPO FORM P0459

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