



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
11.11.2015 Bulletin 2015/46

(51) Int Cl.:
B25F 5/02 (2006.01) B25B 21/02 (2006.01)

(43) Date of publication A2:
14.01.2015 Bulletin 2015/03

(21) Application number: **14002030.6**

(22) Date of filing: **12.06.2014**

(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: **12.07.2013 DE 102013011735**

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(54) **Pneumatic motor with built-in striker mechanism**

(57) The present invention provides a pneumatic motor with built-in striker mechanism, which mainly comprising: a cylinder, rotor set and output shaft lever; said rotor set consists of a rotary drum and flexible blades; said output shaft lever can be driven by the rotary drum; it is characterized by that, a chamber is formed into the rotary drum of the rotor set; a striking portion on the output shaft lever is located within the chamber, and the built-in striker mechanism is placed in the chamber, consisting of: striking bulges protruded on the striking portion, movable hammers sleeved externally on the striking bulge and struts axially located on the rotary drum; with this design, the present invention provides a new pneumatic motor with the striker mechanism set into the rotary drum of the rotor set, thus reducing greatly the axial length and volume of the pneumatic motor and realizing ease-of-use; moreover, the striker mechanism has advantages such as: direct driving by the rotor set, instant torque lifting and fast unlocking of components, thus saving substantially the cost of pneumatic motor with better economic benefits.

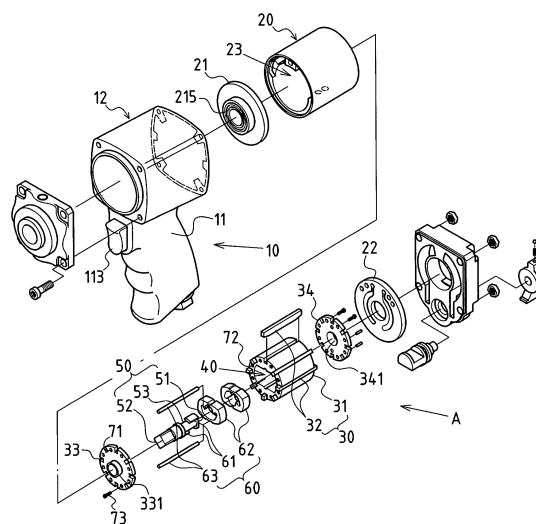


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 14 00 2030

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X,P	TW 201 343 342 A (CHEN HSIU JU [TW]; CHEN YU CHIN [TW]) 1 November 2013 (2013-11-01) * abstract * * figures 1-7 * -----	1-5	INV. B25F5/02 B25B21/02
			TECHNICAL FIELDS SEARCHED (IPC)
			B25B B25F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 2 October 2015	Examiner Bonnin, David
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	

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EPO FORM 1503 03/82 (P04C01)

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