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[Continued on next page]

(54) Title: TWIST LOCK GEAR CASE FOR POWER TOOLS

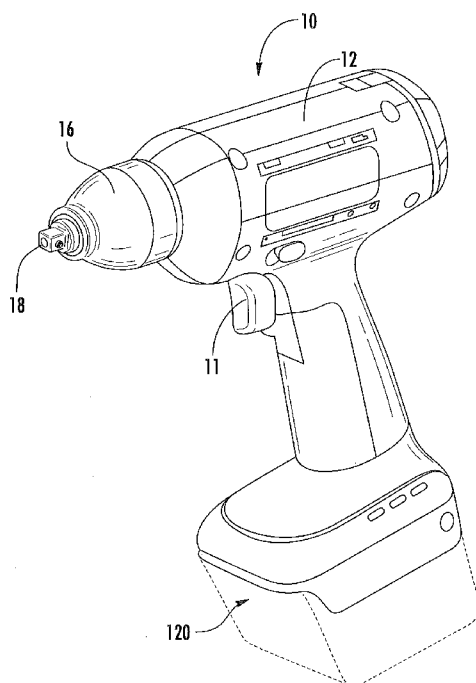


FIG. 1

(57) Abstract: A power tool includes a motor having an outwardly extending rotor that defines a drive axis, a housing surrounding the motor, and a gearcase that includes a drive train coupled to the rotor and configured to drive a tool output. The gearcase includes a proximal end and an opposite distal end that is exposed to the outside of the tool forward of the housing. The gearcase includes respective locking elements spaced around the periphery of the gearcase proximal end. A motor mount includes spaced apart locking elements that are configured to engage with respective gearcase locking elements. The proximal end portion of the gearcase is adapted to make contact with the motor mount between the locking elements and then rotate such that the gearcase locking elements engage the motor mount locking elements.



DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE,
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: motor, gear case, twist lock

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6672402 B2 (ORTT; EARL M. et al.) 06 January 2004 See abstract, column 2 line 44 - column 4 line 7 and figures 1-6.	1-5, 8-15, 18-22 6, 7, 16, 17, 23
A	US 05624000A A (MILLER; PHILIP T.) 29 April 1997 See abstract, column 3 line 45 - column 5 line 45 and figures 1-12.	1-23
A	US 04697453A A (MURAKAWA; SHIGEMI et al.) 06 October 1987 See abstract, column 3 lines 47-53 and figures 1-4.	1-23
A	US 05033552A A (HU; CHENG-TE) 23 July 1991 See abstract, column 2 lines 33-66 and figure 5.	1-23



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

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