

Search history

Search 1: TAC=(drill and bit and cover) (Results 2630)

Search 2: TAC=(1 and mandrel) (Results 40)

Title: UNIVERSAL SIMPLIFIED RIVETER

Abstract: Source: US6018978A PCT No. PCT/ES97/00166 Sec. 371 Date Mar. 2, 1998 Sec. 102(e) Date Mar. 2, 1998 PCT Filed Jun. 27, 1997 PCT Pub. No. WO98/09748 PCT Pub. Date Mar. 12, 1998A universal simplified riveter, characterized by a telescopic housing consisting of two sliding pieces that are superposed so that it can be installed in a reversible **drill** of any brand, model, or shape, with said pieces being extended by **covering** the rotating part of the **drill**, thus protecting the hand of the operator when holding the riveter by its nonslip ergonomic exterior. Two design embodiments permit two ways of installation on the **drill**: in the chuck as a **drill bit** or over said **drill bit** without removing it.

Classifications:

International (IPC 8-9): B21J15/04 B25F3/00 (Advanced/Invention); B21J15/00 B25F3/00 (Core/Invention)

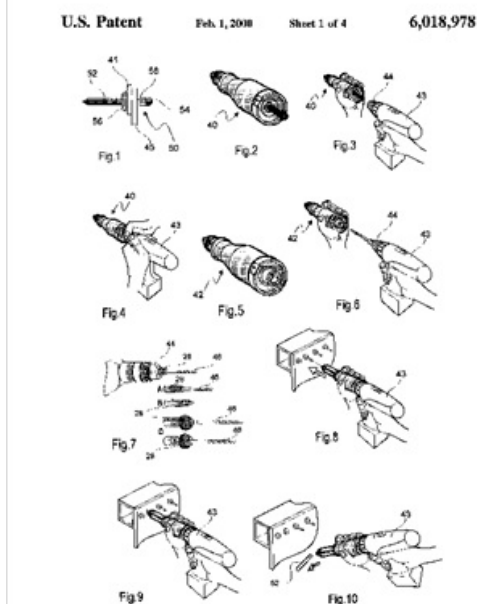
International (IPC 1-7): B21J15/04 B21J15/26 B21J15/34 B25F3/00

CPC: Y10T29/53752 B21J15/383 B21J15/043 B21J15/048 B25F3/00

European: B21J15/04B B21J15/04D B21J15/38H B25F3/00

US: 29/243.526 72/391.4 723/914

PatBase - US6018978_R



Family:

Publication number	Publication date	Application number	Application date
AU199732635 A1	19980326	AU19970032635	19970627
DE69714574 D1	20020912	DE19976014574	19970627
DE69714574 T2	20040819	DE19976014574T	19970627
EP0881011 A1	19981202	EP19970928280	19970627
EP0881011 B1	20020807	EP19970928280	19970627
ES2144906 AA	20000616	ES19960001889	19960903
ES2144906 BA	20010201	ES19960001889	19960903
US6018978 A	20000201	US19980029756	19980302
WO9809748 A1	19980312	WO1997ES00166	19970627

Priority:

ES19960001889 19960903 WO1997ES00166 19970627

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Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN ZW

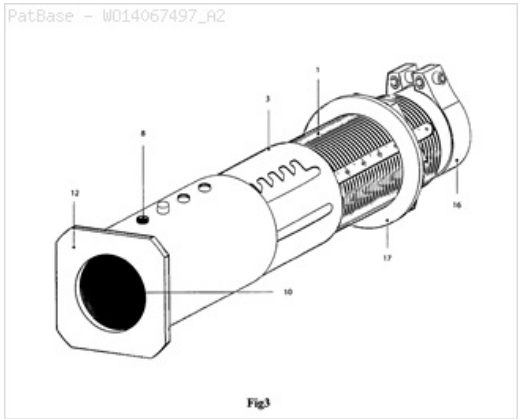
31) Family number: 55400716 (WO14067497A2) © PatBase

Title: **DRILL BIT** AND **MANDREL COVERING** DEVICE, AND ASSEMBLY AND PRODUCTION METHOD THEREOF

Abstract: The invention relates to a device for **covering** a **drill bit** and **mandrel**, intended to protect the operator against risks posed by the rotating **drill bit**, to facilitate tool handling and to collect dust produced during use, without affecting the free rotation of the **mandrel**. The **drill bit covering** device is installed quickly and easily on the **mandrel** and it contracts as the **drill bit** penetrates the surface. The device consists of three stacked tubes, namely: a coupling tube, a connector tube and a sliding tube.

Classifications:

International (IPC 8-9): B23Q11/00 B23Q11/08
B25F5/02 (Advanced/Invention)
CPC: B23Q11/0071 B23Q11/08



Family:

Publication number	Publication date	Application number	Application date
CO6570190 A1	20121130	CO20120198323	20121102
WO14067497 A2	20140508	WO2013CO00009	20131029
WO14067497 A3	20150319	WO2013CO00009	20131029

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW