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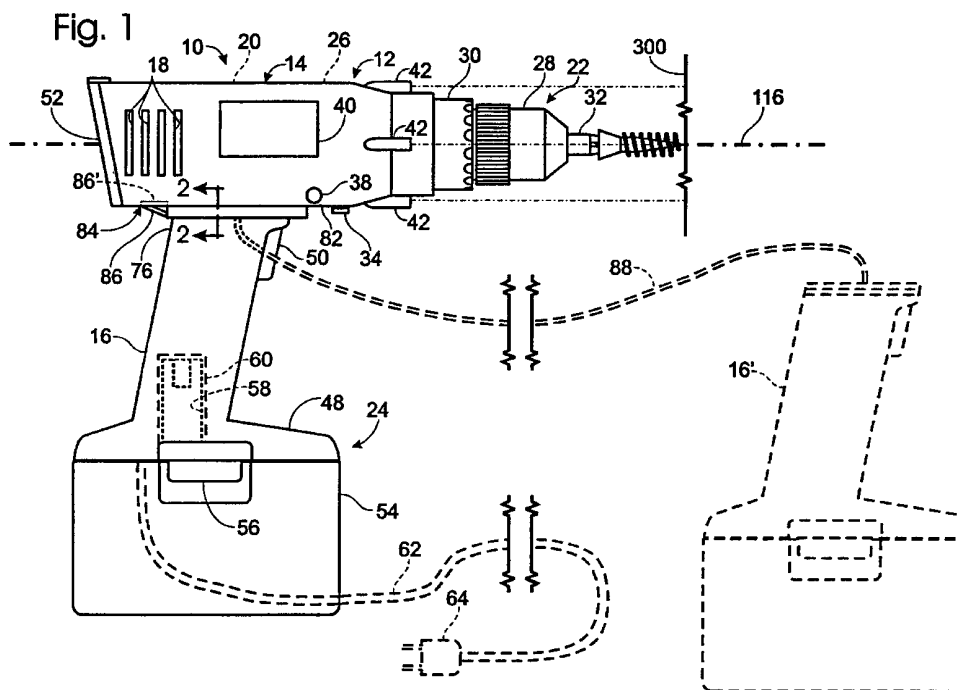
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVED POWER TOOLS



(57) Abstract: An electrically powered hand tool (10) is disclosed. The tool (10) includes a motor (20), a power source (24), a work element (22) and a controller (26). Various alternate features, embodiments and operative configurations are disclosed.

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INTERNATIONAL SEARCH REPORT

 International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :H02J 7/00

US CL :173/2, 11, 217: 310/50

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)

U.S. : 173/2, 11, 176, 181, 183, 216, 217: 310/47, 50

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,835,410 A (BHAGWAT et al.) 30 May 1989. See entire document.	1-20
X	US 5,354,215 A (VIRACOLA) 11 October 1994. See entire document.	9-12
X	US 5,715,156 A (YILMAZ) 03 February 1998. See entire document.	13-15
X	US 5,796,188 A (BAYS) 18 August 1998. See entire document.	9-12
X	US 6,005,489 A (SIEGLE et al.) 21 December 1999. See entire document.	13-15

☐ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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