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(54) Title: OPTIMIZED MACHINING PROCESS FOR CUTTING TUBULARS DOWNHOLE

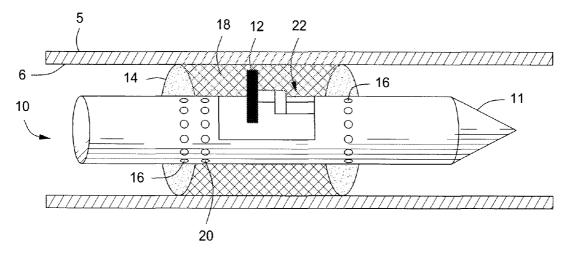


FIG. 1

(57) Abstract: The tubular cutter disclosed herein is useful for severing downhole tubulars and comprises a drive system, a pivoting system, a cutting head, and a cutting member. Cutting is accomplished by rotatingly actuating the cutting head with an associated motor, and then radially extending the cutting blade away from the cutting head. In one embodiment, the cutting head includes a cutting member that pivotally extends from the cutting head upon rotation of the cutting head.





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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - E21B 10/26 (2008.04)			
USPC - 175/296 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MicroPatent, DialogPro, Google Patents			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
x			1, 4-10, 21-22, 25-27
Y			2-3, 11-20, 23-24, 28-32
Y	US 6,056,072 A (KOLTERMANN et al) 02 May 2000 (02.05.2000) entire document		2-3, 31-32
Y	US 5,678,466 A (WAHL) 21 October 1997 (21.10.1997) entire document		11-20, 23-24, 28-32
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