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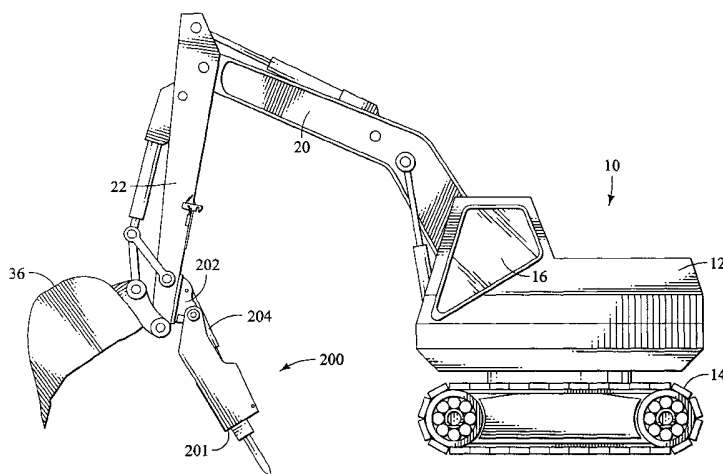
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ning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION BUCKET/BREAKER APPARATUS FOR EXCAVATOR BOOM STICK



(57) **Abstract:** An excavating machine (10), representatively a tracked excavator (10) has a boom stick portion (22) on which both an excavating bucket (36) and a breaker assembly (201) are mounted for hydraulically driven pivotal movement between first and second limit positions. The bucket (36) may be operated independently of the breaker assembly (201) for digging operations. Similarly, the breaker assembly (201) may be operated independently of the bucket (36) for refusal material-breaking operations. The same excavating machine (10) may now use the bucket (36) and breaker assembly (201) in a rapid and continuous exchange, to frequently remove small quantities of broken refuse material with the bucket (36), exposing the breaker assembly (201) to fresh refuse material. A deployment system (200) is disclosed having a mounting bracket (202) for closely aligned pivotal support of both the breaker assembly (201) and a single hydraulic cylinder (204).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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. : 037/403

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)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,120,237 A (Cummings et al.) 19 September 2000 (19.09.2000), Fig. 1.	14, 18 and 20-23
X	US 4,869,002 A (Glenn) 26 September 1989 (26.09.1989), Fig. 4.	18
Y	US 5,373,652 A (OLSSON) 20 December 1994 (20.12.1994), Fig. 1.	29
Y	US 4,810,162 A (FOSTER) 7 March 1989 (07.03.1989), col. 5, lines 24, 25 and 43-47.	29

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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