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**Buckman, Sr. et al.**

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(54) **PERFORATING AND JET DRILLING METHOD AND APPARATUS**

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(52) **U.S. Cl.** ..... **175/62; 175/75; 166/298**

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See application file for complete search history.

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(57) **ABSTRACT**

Apparatus and method for drilling perforations in well casing and drainholes into a subterranean formation around a well are provided. A tool body on tubing directs a mechanical cutter or jet bit to the casing. A hole is cut in casing and a rotary detent mechanism may be used to drill additional holes through casing to enable alignment of a jet bit with the holes for drilling drainholes without removing apparatus from the well. Disposable nozzles in a guide channel or nozzles on the tool body may be used for drilling through casing.

**8 Claims, 5 Drawing Sheets**

