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**Jensen et al.**

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- (54) **EARTH WORKING APPARATUS**
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(52) **U.S. Cl.**  
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USPC ..... 172/544, 551, 571, 640, 681, 779  
See application file for complete search history.

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(57) **ABSTRACT**

An earth working apparatus includes a working implement having a first end and a second end. The earth working apparatus also includes a first support supporting the working implement, where the first support also has a first end and a second end. The earth working apparatus further includes a first arm connecting the first end of the working implement to the first end of the first support, and a second arm connecting the second end of the working implement to the second end of the first support. A second support is pivotally coupled with the first support by a torsion coupler. The first arm and the second arm can be pivotally coupled with the first support by a torsion coupler. The second support can be connected to a third support and configured to articulate with respect to the third support between a generally horizontal working orientation and a transport orientation.

**3 Claims, 23 Drawing Sheets**

