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Buckman, Sr. et al.

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- (54) **NOZZLE FOR JET DRILLING AND ASSOCIATED METHOD**
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- (58) **Field of Search** 175/67, 424, 61, 175/393, 340, 45; 239/463, 498, 494, 492, 490, 483, 497; 299/17

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(57) **ABSTRACT**

A jet nozzle is provided for drilling holes through the earth, such as drainholes around a well. The nozzle may include orifices for discharging fluid to drive the nozzle forward and includes a disk or other device having orifices to produce a swirling motion to fluid in the body of the nozzle. Swirling fluid is discharged from a front orifice and an extension is placed forward of the front orifice to confine the swirling fluid in a radial direction.

23 Claims, 3 Drawing Sheets

