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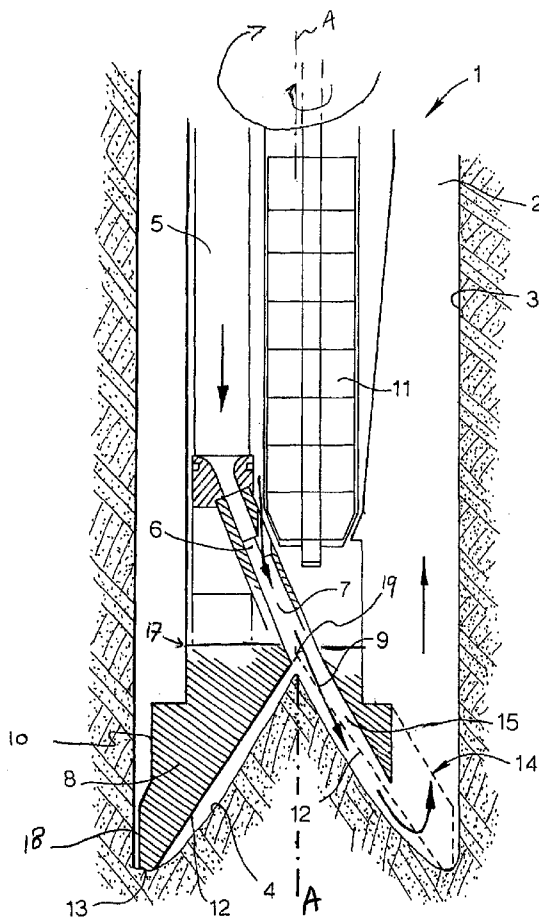
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(54) Title: **FLUID JET DRILLING TOOL**



(57) Abstract: The invention features an excavating device (1) for excavating a hole (2) in a geological formation, which excavating device (1) comprises: a body rotatable inside the hole (2) along a rotation axis; a nozzle (7) arranged on the body to jet a stream of an abrasive fluid (9) onto a surface (4) in the geological formation in order to generate the hole (2), wherein the stream has at least a radial velocity component and one parallel to the rotation axis. The excavating device further comprises: a distance holder (8, 38) arranged on the body to ensure a predefined distance between the nozzle (7) outlet and the surface (4); wherein the distance holder (8, 38) has a trumpet shaped inner surface section (12) facing the geological formation, which trumpet shaped inner surface section (12) is provided with an opening (16) for allowing the stream (9) to pass through. The opening (16) in the trumpet shaped inner surface section (12) is defined by a recess (15) that is formed in the inner surface (12) of the wall of the distance holder (8, 38), whereby the nozzle is arranged to discharge in the recess. The invention also features a distance holder (8, 38) such as described above.

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