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(54) Title: TOP DRIVE DRILLING SYSTEM AND OTHER APPLICATIONS USING A LOW SPEED DIRECT DRIVE AC MOTOR

(57) Abstract: A low speed alternating current motor having motor shaft speeds of about (300) is provided, and such motor has application in numerous industries and devices, such as, for example, in top drive drilling systems. Because of the low shaft speed, mechanical speed reduction equipment may not be necessary. In addition, the motor shaft may be hollow to facilitate the flow of fluid, such as, for example, drilling mud.

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