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(54) Title: WEAR RESISTANT PLATES ON A LEADING TRANSITIONAL SURFACE OF THE LEG FOR A ROTARY CONE
DRILL BIT

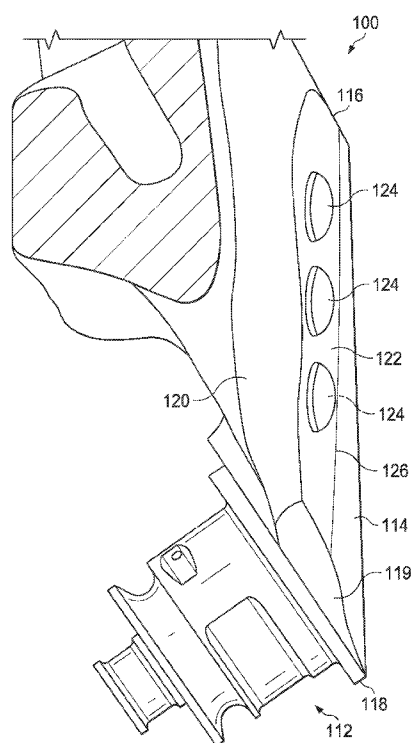


FIG. 5A

(57) Abstract: In an embodiment, a rotary cone drill bit comprises: a body, a leg depending from the body, a bearing shaft extending from the leg and a cone mounted to the bearing shaft. The leg includes a leading transitional surface. A bottom surface of a hard material plate is attached to a substantially conforming surface of the leg in a position where the hard material plate is disposed on a floor surface formed in or by the leading transitional surface of the leg.



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