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(54) Title: WEAR RESISTANT MATERIAL AT THE SHIRTTAIL EDGE AND LEADING EDGE OF A ROTARY CONE DRILL BIT

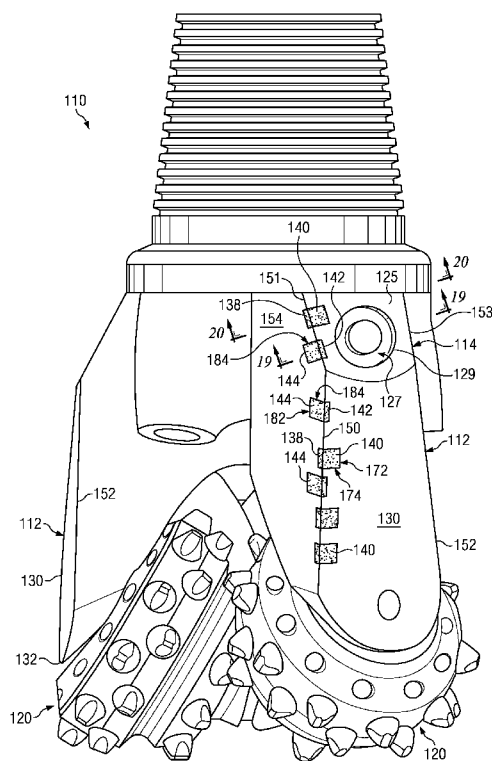


FIG. 7B

(57) Abstract: A rotary cone drill bit includes: a body, a leg depending from the body, and a bearing shaft extending from the leg. The leg includes a surface edge that is subject to wear during operation of the bit and/or a leading edge (at an outer surface or shoulder surface, for example) that is subject to wear during operation of the bit. A cone may be mounted to the bearing shaft. A bottom surface of a hard material plate having an edge is positioned with a conforming surface of the leg in a location where the edge of the hard material plate defines at least a portion of the surface edge of the leg and/or at least a portion of the leading edge of the leg. Positioning of the surfaces is made using a flowable material such as a brazing material.



SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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