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ABSTRACT

EARTH BORING BIT

An earth-boring bit is provided with three cutters 17, 19, 21, at least one (17, 19) of the three cutters are provided with a heel cutting structure 27 defined by a plurality of heel inserts 29 having crests 31 thereon, the heel inserts 29 being disposed in at least one substantially circumferential heel row and the crests 31 of the heel inserts 29 being generally aligned transversely to the rotational axis of the cutter. At least another 21 of the cutters is provided with a substantially circumferential row of axial inserts 25 having crests 25 thereon disposed proximally to the base of the cutter, the crests 25 of the axial inserts 23 being generally aligned with the axis of rotation of the cutter.

(Figure 2 is to accompany the Abstract when published.)