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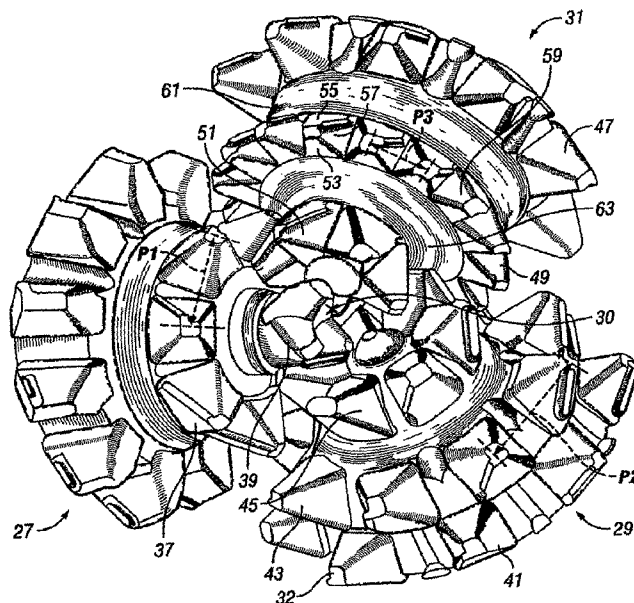
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(54) Title: HIGH DENSITY ROW ON ROLLER CONE BIT



(57) Abstract: An earth-boring bit has a high density row (49) on one of its cones (31). Each cone has a nose area and a gage area with a heel row (47) of teeth at the gage area. One of the cones has a farther intermediate row (43) of teeth and another one of the cones has a closer intermediate row (37) of teeth. The remaining cone has a high density row of teeth (32), which is located closer to the axis of rotation of the bit than the farther intermediate row and farther from the axis of rotation of the bit than the closer intermediate row. The high density row has a smaller pitch between crests of the teeth than the closer and farther intermediate rows. The smaller pitch provides more teeth in the high density row than in the closer intermediate row and the farther intermediate row.

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