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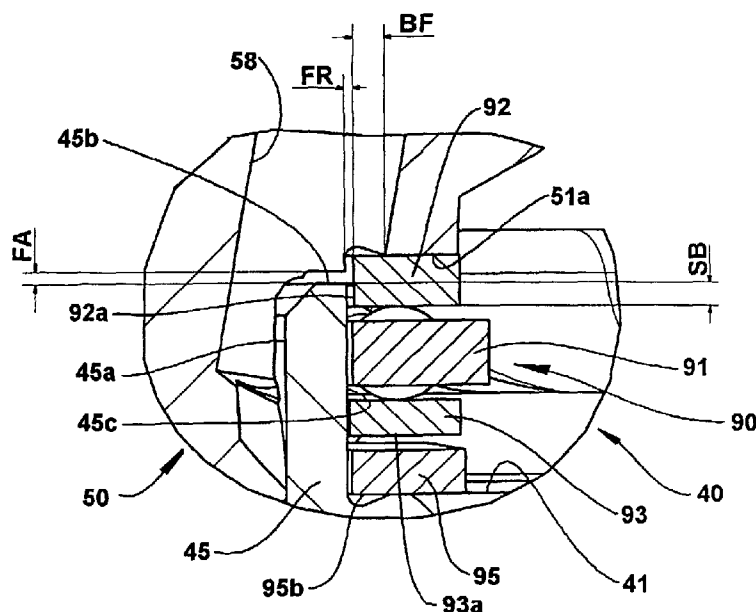
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(54) Title: AXIAL BEARING ARRANGEMENT FOR A HERMETIC COMPRESSOR



(57) Abstract: An axial bearing arrangement for a reciprocating hermetic compressor comprising a cylinder block (20) internal to a shell (10) and carrying a cylinder (30) and a radial bearing hub (40); a crankshaft (50) vertically mounted in the radial bearing hub (40) and carrying, inferiorly, a rotor (61) of an electric motor (60) and, superiorly, a support annular face (51a) and an eccentric portion (52). The radial bearing hub (40) incorporates an upper tubular extension (45), bearing a corresponding extension of the crankshaft (50) and around which is mounted an axial rolling bearing (90) for supporting the weight of the crankshaft (50)-rotor (61) assembly, as well as the axial stresses produced during compression of the refrigerant gas.



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