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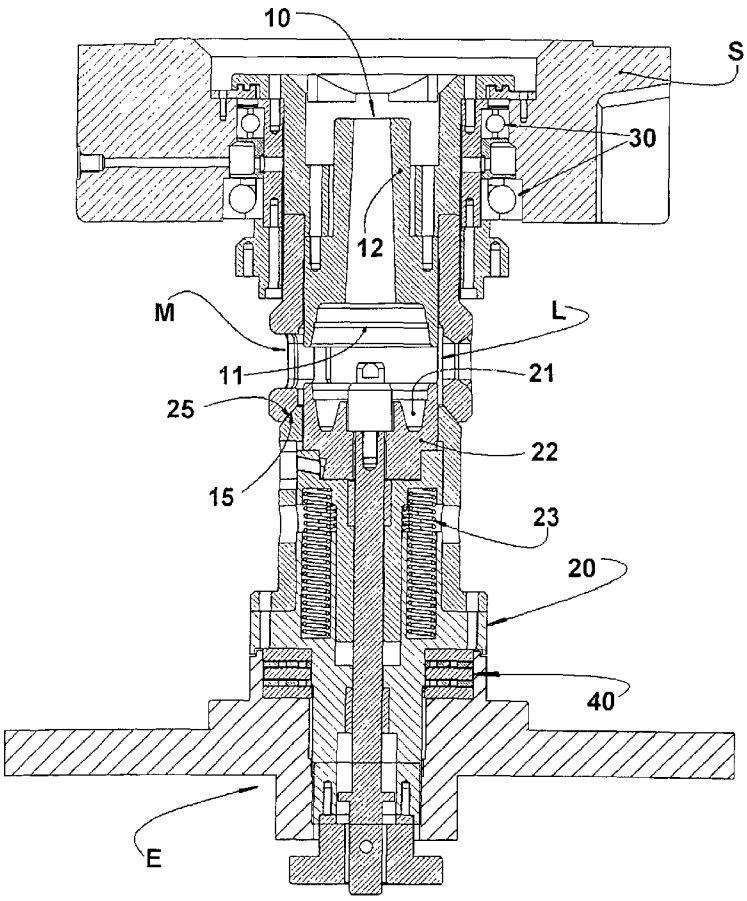
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(54) Title: BEARING ARRANGEMENT FOR A CENTRIFUGATION INJECTION MOLD



(57) Abstract: A bearing arrangement for a centrifugation injection mold, comprising an upper mold portion (10) and a lower mold portion (20), which are respectively and rotatively mounted to an upper bearing (30) and to a lower bearing (40), the latter comprising: a first flat ring (41) affixed to a machine structure (E) and presenting a radial gap that is internal in relation to the lower mold portion (20); an annular cage (42) bearing spheres (44) seated on the first flat ring (41), said annular cage (42) presenting radial gaps that are external and internal in relation to the machine structure (E) and to the lower mold portion (20), respectively; and a second flat ring (45) inferiorly seated on the spheres (44) of the annular cage (42) and maintaining radial gaps that are external and internal in relation to the machine structure (E) and to the lower mold portion (20), respectively, axially bearing the latter. The lower mold portion (20) incorporates an annular conical seat (25) on which is seated, when the mold (M) is taken to the closed position, an annular conical guide (15) incorporated to the upper mold portion (10).

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