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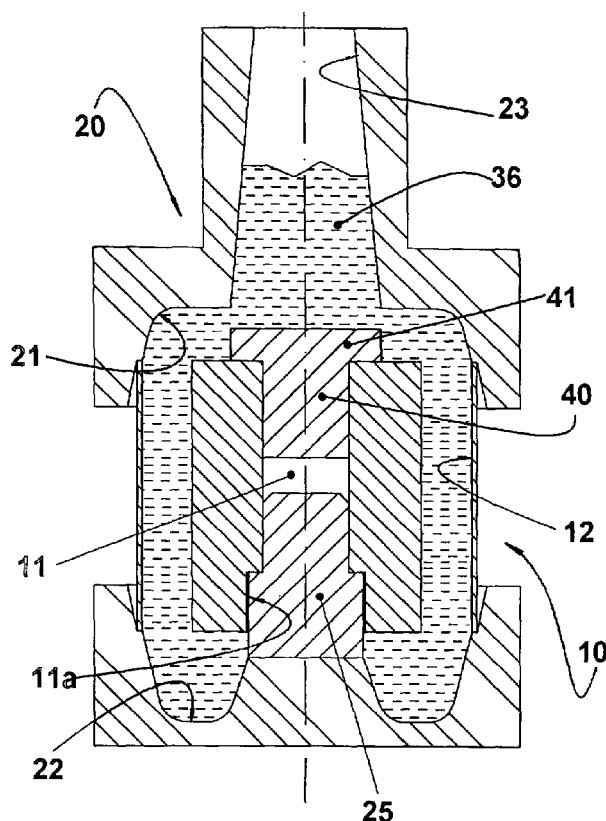
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(54) Title: PROCESS FOR THE MANUFACTURE OF AN ELECTRIC MOTOR ROTOR



(57) Abstract: A process for the injection of an electric motor rotor, said rotor comprising: a lamination stack (10) having a central axial bore (11) and a plurality of axial channels (12); and a cage (30) of aluminum, which is formed by an upper end ring (31) and a lower end ring (32), which are interconnected by a plurality of bars (33) molten in the axial channels (12). The process comprises the steps of: mounting, at the upper end portion of the central axial bore (11), a stamping pin (40), which has a widened head (41) seated against the upper end lamination of the lamination stack (10); heating the lamination stack, as well as an upper cavity (21) and a lower cavity (22) of a mold (20); positioning the lamination stack (10) inside the mold (20); rotating the mold (20) and pouring the aluminum into the inside thereof through the inlet channel (23); removing, from the mold (20), the rotor (R) with the cage (30) already formed and comprising an upper plate (35) that covers the stamping pin (40); and axially extracting the stamping pin (40) in order to break, centrally, the upper plate (35), transforming it in the upper ring (31) of the cage (30).



ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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