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(54) Title: BRUSHLESS DC MOTOR WITH BEARINGS

(57) Abstract: A brushless DC motor (10) including a rotor (14), a magnet (16) provided to the rotor (14), a pair of bearings (20) to rotatably support the rotor (14), a stator assembly (18) that at least partly surrounds the rotor (14) and magnet (16) thereof and adapted to control movement of the rotor (14), and a bearing tube (22) having an exterior surface (42) and an interior surface (48) that defines a tube interior. The stator assembly (18) is provided along the exterior surface (42) of the tube (22) and the bearings (20) are provided along the interior surface (48) of the tube (22) to support the rotor (14) and magnet (16) within the tube interior. The motor has sample application for use in PAP devices for delivery of positive airway pressure therapy for users or patients.



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