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(71) Applicant(s):

NIDEC SANKYO CORPORATION [JP/JP]; 5329, Shimosuwa-machi, Suwa-gun, Nagano 3938511 (JP) *(for all designated states)*

(72) Inventor(s):

ISAJI, Naoya; c/o NIDEC SANKYO CORPORATION, 5329, Shimosuwa-machi, Suwa-gun, Nagano 3938511 (JP)

(54) Title (EN): BEARING ASSEMBLY AND MOTOR

(54) Title (FR): ENSEMBLE PALIER ET MOTEUR

(54) Title (JA): 軸受組立体およびモータ

(57) Abstract:

(EN): Provided is a bearing assembly that achieves stable rotation even under high-temperature conditions. Specifically, provided is a bearing assembly 7 having: an outside holder 10 comprising a cylindrical member; an inside holder 20 comprising a cylindrical member and being inserted inside the outside holder 10; and a rolling bearing 30 fixed to the inner circumference of the inside holder 20 and having a shaft member being inserted into and fixed thereto. A holder groove 13 is formed in an end surface 12 in the axial direction of the outside holder 10. An arm 26 extending in the radial direction from an outer circumferential surface 21 is formed in the inside holder 20. The holder groove 13 and the arm 26 engage in the circumferential direction and restrict the relative rotation of the outside holder 10 and the inside holder 20.

(FR): L'invention concerne un ensemble palier qui permet une rotation stable même dans des conditions de température élevée. Plus précisément, l'invention concerne un ensemble palier (7) comprenant : un support extérieur (10) comprenant un élément cylindrique ; un support intérieur (20) comprenant un élément cylindrique et étant inséré à l'intérieur du support extérieur (10) ; et un palier de roulement (30) fixé à la circonférence interne du support intérieur (20) et ayant un élément arbre qui est inséré dans celui-ci et fixé à celui-ci. Une rainure de retenue (13) est formée dans une surface d'extrémité (12) dans la direction axiale du support extérieur (10). Un bras (26) s'étendant dans la direction radiale à partir d'une surface circonférentielle externe (21) est formé dans le support intérieur (20). La rainure de support (13) et le bras (26) viennent en prise dans la direction circonférentielle et limitent la rotation relative du support extérieur (10) et du support intérieur (20).

(JA): 本願は、高温環境下でも安定した回転を実現する軸受組立体を提供する。具体的には、軸受組立体7は、円筒部材からなる外側ホルダ10と、円筒部材からなり、外側ホルダ10の内周に挿入された内側ホルダ20と、内側ホルダ20の内周に固定され、軸部材が挿入されて固定される転がり軸受30と、を有し、外側ホルダ10には、軸方向端面12にホルダ溝部13が形成され、内側ホルダ20には、外周面21から径方向に延びるアーム部26が形成され、ホルダ溝部13とアーム部26が、周方向に係合して外側ホルダ10と内側ホルダ20との相対回転を規制する。

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