

Title (en)

SINTERED STATOR-COVER UNIT AND CAMSHAFT ADJUSTER

Title (de)

GESINTERTE STATOR-DECKEL-EINHEIT UND NOCKENWELLENVERSTELLER

Title (fr)

UNITÉ STATOR-COUCVERCLE FRITTÉE ET DÉPHASEUR D'ARBRE À CAMES

Publication

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Application

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Abstract (en)

[origin: WO2011098321A1] The invention relates to a stator-cover unit (1) for a camshaft adjuster (31), which is produced in one piece from a sintered material, comprising a stator (3) and a locking cover (5) which has a slot (17) for rotationally locking a rotor (33). According to the invention, the sintered material has at least in the region of the slot (17) a Vickers hardness of 400 HV to 850 HV. The invention further relates to a camshaft adjuster (31) having such a stator-cover unit (1) with the aforementioned properties, in which a rotor (33) having a number of radially outwardly extending rotor vanes (35) is positioned. The stator-cover unit (1) is simple to produce. A separate insertion part for the slot (17) is not required.

IPC 8 full level

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