

Title (en)

ONE-WAY CLUTCH WITH INTEGRATED STATOR

Title (de)

EINWEGKUPPLUNG MIT INTEGRIERTEM STATOR

Title (fr)

COUPLAGE UNIDIRECTIONNEL AVEC STATOR INTÉGRÉ

Publication

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Application

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Priority

- DE 2007000386 W 20070301
- US 78569306 P 20060324

Abstract (en)

[origin: US2007220877A1] The present invention broadly comprises a stator and clutch assembly for a torque converter including first and second halves for a stator, each formed from first and second single pieces. Blades for the stator are disposed within respective annuli for the first and second halves. The assembly also includes a one-way clutch. The first and second halves have inner circumferential portions configured to form a portion of the clutch. The assembly includes an axially displaceable plate connected to a hub. The plate and a circumferential portion are operatively arranged to form a portion of the clutch. In some aspects, the plate and the circumferential portion are arranged to lockingly engage and the assembly includes a displacement element arranged to urge the plate toward the circumferential portion. In some aspects, the plate and hub are formed from a single piece or the plate is axially displaceable with respect to the hub.

IPC 8 full level

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