Permanently Engaged Starter with Wrap Spring

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Starter with Wrap Spring for Automatic Transmissions

Description
- System for a permanently engaged starter (PES) with a wrap-around band for use with automatic transmission applications

Functional advantages
- One-way clutch prevents system losses during normal driving operation
- Highly efficient package – requires no additional space in the drive train
- Allows dynamic and quiet engine restarts, particularly during change-of-mind events

Product benefits
- Reduction of emissions
- System is cost effective compared to solutions currently available on the market

Integration/assembly efforts
- Arranged directly on the torque converter, almost no modifications to the bell housing or torque converter are required
- Drop-in module – can be assembled with the torque converter at the transmission plant

Diagram labels:
- Return spring
- Starter pinion
- Ring gear
- Ring gear roller bearing support
- Starter motor
- Wrap spring
- Converter housing