

Title (en)

Starter for automotive vehicle provided with improved guiding means of the pinion shifting arrangement

Title (de)

Anlasser für Kraftfahrzeug mit verbessertem Führungsmittel der Ritzeleinrückvorrichtung

Title (fr)

Démarreur pour véhicule automobile muni de moyens perfectionnés de guidage du lanceur

Publication

EP 0732498 B1 20000719 (FR)

Application

EP 96103872 A 19960312

Priority

FR 9503096 A 19950315

Abstract (en)

[origin: EP0732498A1] Motor torque is transmitted to the sleeved component (18) of the free-wheel unit (19) by helical teeth (28) engaging corresponding grooves in the sleeve. Transmission continues during axial displacement of the unit enforced by the starter solenoid's pivoted fork (30). The starter pinion (20), on the free-wheel's driven component (26), slides axially along the shaft end (22) to engage with the toothed fly-wheel ring. At one end, the sleeve includes a guide ring (32), rotating with and pressed into the sleeve. The ring is a short cylinder closed by an end-plate in which an aperture is machined equal in diameter to the motor shaft (10), with peripheral recesses corresponding in shape and angular distribution to the shaft teeth profile.

IPC 1-7

F02N 15/02

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CPC (source: EP)

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Cited by

FR3056260A1; CN103423059A; EP0924425A1; FR2772433A1; GB2329938A; GB2329938B; US6237432B1; US6169333B1; WO2018050983A1

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