

Title (en)

Method and apparatus for securing and releasing a crankshaft pulley.

Title (de)

Verfahren und Vorrichtung zum Befestigen oder Lösen einer Riemenscheibe auf einer Kurbelwelle.

Title (fr)

Procédé et dispositif pour attacher ou desserrer une poulie sur un arbre manivelle.

Publication

EP 0107439 A1 19840502 (EN)

Application

EP 83306155 A 19831012

Priority

GB 8230350 A 19821025

Abstract (en)

To exert torque on an engine crankshaft 3, for the purposes of tightening or loosening bolts which are coaxial with the crankshaft, torque is applied to the ring gear 5 which is mounted on the crankshaft and is normally engaged by a starter motor. A tool is provided which includes a pinion 8 which can be mounted so that it engages the ring gear and which can itself be turned by a shaped end 10 on the pinion shaft. The shaft is held in a body 6 which can be securely fixed to a suitable place on an engine block 1. To lighten or loosen the bolt, the bolt itself is held stationary and the crankshaft is turned as a result of a torque being applied to the shaft of the pinion which then applies a torque to the crankshaft itself through the ring gear. Because of the relative sizes of the pinion 8 and the ring gear 5, this torque is multiplied.

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IPC 8 full level

B25B 17/02 (2006.01); **B25B 23/00** (2006.01)

CPC (source: EP)

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Citation (search report)

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