

Title (en)

DEVICE FOR MANUALLY TURNING A RECIPROCATING PISTON INTERNAL-COMBUSTION ENGINE

Publication

EP 0121698 B1 19861230 (DE)

Application

EP 84101697 A 19840218

Priority

DE 3312316 A 19830406

Abstract (en)

[origin: EP0121698A1] 1. A device for manually turning a reciprocating-piston internal combustion engine and for setting the crankshaft to a selected angular position via the flywheel - which is provided with a starter ring gear and disposed in a flywheel/clutch housing - by means of a geared drive unit (2) fastenable to the flywheel's housing (1) across an aperture (5) in the latter's circumference and comprising two meshing gear wheels (6, 7) the driven wheel (7) of which serves to engage the starter ring gear (4) and the driving wheel (6) of which is arranged to be rotated, with the aid of a hand lever (23), by its extended spindle (9), characterized : a) by a circular dial (8) carrying degree markings (12), being disposed on the front face of the driving gear wheel (6) and serving to indicate the angle of rotation covered ; and b) by a spring-biased slider (13) mounted in a casing of the geared drive unit (2) and serving to find that position of the flywheel (3) that corresponds to the upper dead centre of a selected one of the engine's pistons, the profile of the slider's end portion (15) facing the flywheel being such that it overlaps one tooth and two tooth gaps of the flywheel and engages, in the flywheel's selected position, a corresponding gap of a relieved tooth (16).

IPC 1-7

F02B 77/08; F02F 7/00

IPC 8 full level

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CPC (source: EP)

F02B 77/087 (2013.01); **F02F 7/0046** (2013.01)

Cited by

FR2781522A1; CN109404157A; CN110170963A; US5460138A; WO8603801A1

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