

Title (en)

Engine crankshaft pulley clutch.

Title (de)

Riemenscheibenkupplung für Motorkurbelwelle.

Title (fr)

Accouplement pour poulie de vilebrequin de moteur.

Publication

EP 0136384 A1 19850410 (EN)

Application

EP 83401933 A 19831003

Priority

EP 83401933 A 19831003

Abstract (en)

A vehicle engine (10) carries a number of belt-driven accessories which are driven through a belt (16) and a clutch and pulley assembly (14) carried on the engine crankshaft (12). The assembly (14) includes an electromagnetic coil (56) which responds to an electrical signal to couple the pulley (36) for rotation with the crankshaft (12) when a signal is transmitted to the coil (56) and to otherwise permit the crankshaft (12) to turn relative to the pulley (36). A throttle position switch (82) intercepts the signal to the coil (56) when the throttle mechanism of the vehicle is moved to a predetermined position when the vehicle is accelerated to thereby disconnect the pulley (36) from the crankshaft (12) during vehicle accelerations. The coil (56) is also wired through the vehicle ignition switch (86) so that the pulley (36) is also disconnected from the crankshaft (12) when the vehicle is started.

IPC 1-7

F02N 17/08; **F02B 67/06**

IPC 8 full level

F02B 67/06 (2006.01); **F02N 19/00** (2010.01)

CPC (source: EP)

F02B 67/06 (2013.01); **F02N 19/001** (2013.01); **F02B 2275/06** (2013.01)

Citation (search report)

- [Y] FR 2066972 A1 19710813 - DAIMLER BENZ AG
- [Y] GB 2069595 A 19810826 - BORG WARNER
- [A] US 3712766 A 19730123 - JONES C

Cited by

FR2724881A1; EP1126143A3; CN108999736A; CN102859222A; GB2449099A; FR2929176A1; EP1043499A1; DE19915834C1; WO2005028901A1; US8844278B2; WO9609464A1; WO2014146659A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0136384 A1 19850410

DOCDB simple family (application)

EP 83401933 A 19831003