

Title (en)

Starting system for diesel engine.

Title (de)

Anlassystem für Dieselmotoren.

Title (fr)

Système de démarrage pour moteurs diesel.

Publication

EP 0383441 A1 19900822 (EN)

Application

EP 90300723 A 19900123

Priority

JP 2470989 A 19890201

Abstract (en)

An intake flow limiting valve (27) for limiting suction air flow is installed in an intake passage (2) of a diesel engine. Engine starting torque is then reduced by throttling intake flow, using the intake flow limiting means (27), at the time of starting the engine.

IPC 1-7

F02D 9/02; **F02N 17/08**

IPC 8 full level

F02D 9/02 (2006.01); **F02D 11/08** (2006.01); **F02N 17/00** (2006.01); **F02N 17/08** (2006.01); **F02N 99/00** (2010.01); **F02B 3/06** (2006.01)

CPC (source: EP)

F02D 9/02 (2013.01); **F02D 11/08** (2013.01); **F02N 19/001** (2013.01); **F02B 3/06** (2013.01); **F02D 2009/0249** (2013.01)

Citation (search report)

- [A] EP 0028745 A1 19810520 - KNORR BREMSE GMBH [DE], et al
- [A] DE 3024731 A1 19820204 - ISUZU MOTORS LTD [JP]
- [X] PATENT ABSTRACTS OF JAPAN

Cited by

FR2873761A1; DE102007022736B4; EP0744545A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0383441 A1 19900822; JP H02204638 A 19900814

DOCDB simple family (application)

EP 90300723 A 19900123; JP 2470989 A 19890201