

Title (en)
ENGINE BRAKE FOR LORRIES

Publication
EP 0383088 B1 19930526 (DE)

Application
EP 90101744 A 19900129

Priority
DE 3904497 A 19890215

Abstract (en)
[origin: EP0383088A1] The invention relates to a decompression brake for commercial vehicles, which has a hydraulic device which holds open the exhaust valve (14) of the diesel internal-combustion engine by a small gap in the region of the ignition top dead centre during the compression stroke, the hydraulic device being formed from an operating cylinder controlling the exhaust valve (14) and having an operating piston (4), a control line (3) and a transmitter cylinder with transmitter piston (1). In order to simplify the design of the hydraulic system, it is proposed that the engine's own injection pump (1) be itself used as the controlled transmitter cylinder and piston. <IMAGE>

IPC 1-7
F01L 13/06

IPC 8 full level
F01L 13/06 (2006.01); **F02M 55/02** (2006.01); **F02M 59/38** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)
F01L 13/06 (2013.01 - EP US); **F02M 55/02** (2013.01 - EP US); **F02M 59/38** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US)

Cited by
CN105386810A; US5713331A; FR2737536A1; WO9635861A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 3904497 C1 19900125; DE 59001521 D1 19930701; EP 0383088 A1 19900822; EP 0383088 B1 19930526; JP H02233814 A 19900917; RU 1828499 C 19930715; US 5000146 A 19910319; ZA 899937 B 19901128

DOCDB simple family (application)
DE 3904497 A 19890215; DE 59001521 T 19900129; EP 90101744 A 19900129; JP 2861390 A 19900209; SU 4742939 A 19900131; US 47759690 A 19900209; ZA 899937 A 19891228