

Title (en)
UNLOADING VALVE CONTROL DEVICE

Title (de)
BYPASS-VENTIL STEUERVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMANDE D'UNE SOUPAPE DE DECHARGE

Publication
EP 1109995 B1 20031029 (FR)

Application
EP 99936705 A 19990806

Priority
• FR 9901951 W 19990806
• FR 9810921 A 19980901

Abstract (en)
[origin: FR2782746A1] The invention concerns a control device (14) for an internal combustion engine turbocharger (16) unloading valve (42), comprising a pressure casing (58) wherein are arranged two front (92) and rear (93) transverse mobile walls, longitudinally defining front (104) and rear (106) pressure chambers capable of being subjected in particular to atmospheric pressure (Pa), excess pressure (Psur) or low pressure (Pdep) of an intake manifold (24) of the engine (12), wherein the front wall (92) co-operates with a longitudinal control rod (56) capable of taking up a retracted position and an extended position causing the valve (42) to open, and wherein the rear wall (94) co-operates with a second longitudinal rod (112). The invention is characterised in that the two rods are separate and the second longitudinal rod (112) can be urged forward from a retracted position to an extended position to be in contact with the front wall (92) to stress the latter towards its extended position.

IPC 1-7
F02B 37/18

IPC 8 full level
F02B 37/18 (2006.01)

CPC (source: EP)
F15B 15/10 (2013.01); **F15B 15/1409** (2013.01); **F02B 37/186** (2013.01)

Designated contracting state (EPC)
DE ES GB IT

DOCDB simple family (publication)
FR 2782746 A1 20000303; **FR 2782746 B1 20010323**; DE 69912460 D1 20031204; DE 69912460 T2 20040812; EP 1109995 A1 20010627; EP 1109995 B1 20031029; WO 0012883 A1 20000309

DOCDB simple family (application)
FR 9810921 A 19980901; DE 69912460 T 19990806; EP 99936705 A 19990806; FR 9901951 W 19990806