

Title (en)

Monoblock controller for automatically regulating the pressure in a reservoir

Title (de)

Steuergerät in Monoblockausführung zur automatischen Drucksteuerung in einem Druckluftbehälter

Title (fr)

Distributeur monobloc pour la régulation automatique de la pression de l'air dans un réservoir

Publication

EP 0855519 A3 19990728 (FR)

Application

EP 98101239 A 19980124

Priority

IT VI970014 A 19970128

Abstract (en)

[origin: EP0855519A2] The unit has an intake regulator (002), an oil bath screw compressor (003) and an air/oil separator (004) and an accumulator tank (005). The distributor (001) itself comprises a one-piece metal housing with cavities for two fixed throttling valves, a rapid discharge valve, an air injection control valve, a proportional control valve and two selector valves. The valves are connected by a series of channels and branches inside the housing, and the distributor is fed through a single duct (007) which takes air from the air/oil separator, and has four outlets, two with discharge regulating screws and another with a minimum pressure control screw.

IPC 1-7

F15B 1/033; F15B 13/00

IPC 8 full level

F04C 28/24 (2006.01); **F15B 1/033** (2006.01); **F15B 13/00** (2006.01); **F04C 18/16** (2006.01)

CPC (source: EP)

F04C 28/24 (2013.01); **F15B 1/033** (2013.01); **F04C 18/16** (2013.01)

Citation (search report)

- [A] WO 9308404 A1 19930429 - CASH ENG RES [AU]
- [A] DE 2717224 A1 19781026 - MAHLE GMBH
- [A] FR 2537013 A1 19840608 - BOSCH GMBH ROBERT [DE]
- [A] US 5558141 A 19960924 - DANNOEHL PETER [DE]

Cited by

CN101943165A; EP1094222A1; US6715998B2; US8137080B2; US6520205B1; WO2007115789A1; WO0216774A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0855519 A2 19980729; **EP 0855519 A3 19990728**; **EP 0855519 B1 20040421**; AT E265001 T1 20040515; DE 69823246 D1 20040527; DE 69823246 T2 20050414; ES 2219793 T3 20041201; IT 1292941 B1 19990211; IT VI970014 A1 19980728; SI 0855519 T1 20041031

DOCDB simple family (application)

EP 98101239 A 19980124; AT 98101239 T 19980124; DE 69823246 T 19980124; ES 98101239 T 19980124; IT VI970014 A 19970128; SI 9830671 T 19980124