

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 B1 20040421 (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)

Cited by

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

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