

Title (en)

Electronic control system for modular structured valve station.

Title (de)

Elektronische Steuereinrichtung für eine modularartig aufgebaute Ventilstation.

Title (fr)

Dispositif de commande électronique pour un poste de soupapes de construction modulaire.

Publication

EP 0624832 A3 19960731 (DE)

Application

EP 94101441 A 19940201

Priority

DE 4312757 A 19930420

Abstract (en)

[origin: EP0624832A2] An electronic control system for a valve station of modular construction is proposed, which has a fluid distributor arrangement equipped with electrically controllable valves (19-26), the valves (19-26) being driven via at least one control module (17, 18). Furthermore, input and/or output modules (14-16) and a central electronic control unit (10) are provided, to which the individual modules (14-18) are connected for control and/or for data communication. The control unit (10) is connected to the modules (14-18) via a bus line system (28), and each module (14-18) has a programmable address decoder (29-33), means being provided for the sequential configuration of the modules (14-18) and for the automatic allocation of individual addresses for the individual modules (14-18). By this means, the valve station can be constructed or expanded in any desired way, the modules connected being automatically recognised and provided with addresses. <IMAGE>

IPC 1-7

G05B 19/04

IPC 8 full level

F15B 13/00 (2006.01); **F15B 13/08** (2006.01); **F15B 21/08** (2006.01); **F15C 1/02** (2006.01); **G05B 19/42** (2006.01); **H02J 13/00** (2006.01)

CPC (source: EP US)

F15B 13/0814 (2013.01 - EP US); **F15B 13/0853** (2013.01 - EP US); **F15B 13/0867** (2013.01 - EP US); **F15B 13/0875** (2013.01 - EP US); **F15B 13/0889** (2013.01 - EP US); **F15B 21/085** (2013.01 - EP US); **F15C 1/02** (2013.01 - EP US)

Citation (search report)

- [Y] DE 3819761 A1 19891214 - VIB APPARATEBAU GMBH [DE]
- [Y] EP 0221303 A2 19870513 - IBM [US]
- [A] US 4387434 A 19830607 - MONCRIEF JR MARION L [US], et al
- [A] US 4373181 A 19830208 - CHISHOLM DOUGLAS R [US], et al

Cited by

CN106229125A; EP0952359A1; CN105425644A; DE102006051281C5; DE102004049771A1; DE19923047A1; EP1881249A1; EP0950936A1; DE10047060A1; DE10047060B4; US6173731B1; US6754721B2; WO9702740A3; WO2007090427A1; WO0107974A1; WO9954632A1

Designated contracting state (EPC)

CH DE ES FR IT LI NL

DOCDB simple family (publication)

DE 4312757 A1 19941027; DE 59407070 D1 19981119; EP 0624832 A2 19941117; EP 0624832 A3 19960731; EP 0624832 B1 19981014; ES 2122051 T3 19981216; HU 218536 B 20001028; HU 9401133 D0 19940728; HU T69209 A 19950828; KR 0174573 B1 19990401; US 5519636 A 19960521

DOCDB simple family (application)

DE 4312757 A 19930420; DE 59407070 T 19940201; EP 94101441 A 19940201; ES 94101441 T 19940201; HU 9401133 A 19940419; KR 19940008060 A 19940418; US 21890794 A 19940328