

Title (en)

METHOD AND DEVICE FOR PRODUCING AN INTAKE VALVE OF PLATE-LIKE CONSTRUCTION

Title (de)

VERFAHREN UND VORRICHTUNG FÜR EIN SAUGVENTIL DER PLATTENBAUART

Title (fr)

PROCEDE ET DISPOSITIF POUR UNE SOUPAPE D'ADMISSION DE TYPE SOUPAPE A PLAQUETTE

Publication

**EP 0853728 A1 19980722 (DE)**

Application

**EP 96930945 A 19961001**

Priority

- EP 96930945 A 19961001
- CH 9600340 W 19961001
- EP 95810621 A 19951003

Abstract (en)

[origin: WO9713068A1] The invention concerns a method of continuously regulating the delivery of a plate-like intake valve (1) comprising a valve plate (3) which is actuated by an electromagnet (9) disposed in a valve catcher (6), the electromagnet (9) being controlled in such a way that, in a first control phase (11a), the valve plate (3) lies firmly and is blocked on the valve catcher (6) or a damper plate (4) disposed between the valve catcher (6) and the valve plate (3) and, in a second control phase (11b), the electromagnet (9) is controlled by a decaying alternating current in order to demagnetize the valve plate (3) such that the latter is released.

IPC 1-7

**F04B 39/08**; **F04B 49/24**

IPC 8 full level

**F04B 39/10** (2006.01); **F04B 39/08** (2006.01); **F04B 49/24** (2006.01); **F16K 31/02** (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP KR US)

**F04B 39/08** (2013.01 - EP KR US); **F04B 49/243** (2013.01 - EP US); **F04B 2201/1208** (2013.01 - EP US); **Y10T 137/786** (2015.04 - EP US)

Citation (search report)

See references of WO 9713068A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9713068 A1 19970410**; AT E217391 T1 20020515; AU 6983496 A 19970428; CA 2234157 A1 19970403; CN 1078678 C 20020130; CN 1198803 A 19981111; DE 59609191 D1 20020613; EP 0853728 A1 19980722; EP 0853728 B1 20020508; JP H11512806 A 19991102; KR 19990063951 A 19990726; RU 2166144 C2 20010427; US 6149400 A 20001121

DOCDB simple family (application)

**CH 9600340 W 19961001**; AT 96930945 T 19961001; AU 6983496 A 19961001; CA 2234157 A 19961001; CN 96197371 A 19961001; DE 59609191 T 19961001; EP 96930945 A 19961001; JP 51384797 A 19961001; KR 19980702424 A 19980402; RU 98108443 A 19961001; US 5107798 A 19980401