

Title (en)

Valve structure with seating member composed of fibre reinforced plastic resin material.

Title (de)

Ventil mit aus armiertem Kunststoff bestehenden Ventilsitz.

Title (fr)

Soupape avec siège constitué de matière plastique renforcée.

Publication

EP 0040930 A1 19811202 (EN)

Application

EP 81302137 A 19810514

Priority

CA 352635 A 19800523

Abstract (en)

A valve structure having a seating member (10) defining at least one valve opening (14, 16), and having an outer body portion (28), a centre core portion (24), and a plurality of arms (32) extending from the centre core (24) to the outer body (28), there being seating means formed on the outer body (28), and the centre core (24) for receiving valve closure means, the outer body and centre core (24) and the arms (32) all being formed integrally in a single homogeneous structure having groups of reinforcing fibres extending from the centre core (24) through the radial arms (32) into the outer body (28), the reinforcing fibres being embedded in and completely surrounded by a mouldable plastic resin material.

IPC 1-7

F04B 39/10; **F16K 15/08**

IPC 8 full level

F16K 15/02 (2006.01); **F04B 39/10** (2006.01); **F16K 15/08** (2006.01); **F16K 27/00** (2006.01); **F16K 27/02** (2006.01)

CPC (source: EP)

F04B 39/1033 (2013.01)

Citation (search report)

- GB 778884 A 19570710 - ANCIENS ETS BRISSON
- GB 674386 A 19520625 - COMPRESSOR ACCESSORIES LTD
- FR 1058907 A 19540319 - D APPLIC MECANIKES SOC IND
- DE 809501 C 19510730 - MIAG VERTRIEBS GMBH
- AT 275004 B 19691010 - HALLE MASCHF VEB [DE]
- US 3536094 A 19701027 - MANLEY FLAVIOUS E JR

Cited by

EP1310712A2; EP1310713A2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0040930 A1 19811202; **EP 0040930 B1 19830921**; AT E4739 T1 19831015; AU 7060881 A 19811126; CA 1155034 A 19831011; DE 3160941 D1 19831027; JP S5718880 A 19820130; ZA 813181 B 19820630

DOCDB simple family (application)

EP 81302137 A 19810514; AT 81302137 T 19810514; AU 7060881 A 19810515; CA 352635 A 19800523; DE 3160941 T 19810514; JP 7679881 A 19810522; ZA 813181 A 19810513