

Title (en)
Compressor valve

Title (de)
Verdichterventil

Title (fr)
Soupape de compresseur

Publication
EP 1022464 A3 20010718 (EN)

Application
EP 00300057 A 20000106

Priority
JP 1048399 A 19990119

Abstract (en)
[origin: EP1022464A2] In a fluid suction/discharge apparatus, a recess is formed with a cylinder and extends from a closed end of the cylinder in the axial direction of the cylinder. The recess comprises deep and shallow recess portions both integral with each other. The shallow recess portion has a bottom to receive a flexible end of the suction reed valve in a suction condition. The deep recess portion forms a passage for fluid while the flexible end of the suction reed valve is received on the bottom of the shallow recess portion. With such structure, the passage for the fluid becomes wide, so that the vibration of the suction reed valve can be prevented. <IMAGE>

IPC 1-7
F04B 39/10

IPC 8 full level
F04B 39/10 (2006.01)

CPC (source: EP)
F04B 39/1073 (2013.01)

Citation (search report)
• [X] GB 1336676 A 19731107 - HOERBIGER VENTILWERKE AG
• [A] US 5603611 A 19970218 - TARUTANI TOMOJI [JP], et al
• [A] US 4867650 A 19890919 - IKEDA HAYATO [JP], et al
• [A] US 4749340 A 19880607 - IKEDA HAYATO [JP], et al

Cited by
EP3242023A1; CN107339210A; US10288054B2; US9605666B2; WO2004106737A1; US8141581B2; US8562311B2; US8684706B2

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