

Title (en)
Device for purging air

Title (de)
Vorrichtung zum Abscheiden von Luft

Title (fr)
Dispositif de purge d'air

Publication
EP 0905380 B1 20021218 (DE)

Application
EP 98118287 A 19980928

Priority
DE 19743062 A 19970930

Abstract (en)
[origin: EP0905380A2] The de-aerator unit (3) has a de-aeration chamber (5), a self-acting air-release valve (9) and a strainer (3), and can be coupled directly to e.g. the suction or discharge side of a pump. The unit has a round cross section and parallel end walls, between which and parallel to is located a replaceable flat strainer disc with a fine mesh insert. The strainer is of approximately the same diameter as the de-aeration chamber, and is retained with e.g. snap-action clips. Water enters the inlet port (8) and strikes an impingement plate (13). De-entrained air rises through a bleed port (16) into a collector pot for the float-operated air release valve. The water passes through the strainer and leaves through the discharge port (15).

IPC 1-7
F04D 9/02; **F04D 29/70**

IPC 8 full level
F04B 53/20 (2006.01); **F04D 9/02** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)
F04B 53/20 (2013.01); **F04D 9/02** (2013.01); **F04D 29/708** (2013.01)

Cited by
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Designated contracting state (EPC)
DE FR IT NL

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EP 0905380 A2 19990331; **EP 0905380 A3 20010110**; **EP 0905380 B1 20021218**; DE 19743062 A1 19990401; DE 59806699 D1 20030130

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