

Title (en)

Feeding device for reciprocating piston pumps for liquids under saturation conditions.

Title (de)

Einführvorrichtung einer Kolbenpumpe für Saturationsflüssigkeiten.

Title (fr)

Dispositif d'alimentation pour une pompe à piston pour des liquides saturés.

Publication

**EP 0509185 B1 19951108 (EN)**

Application

**EP 91830155 A 19910419**

Priority

EP 91830155 A 19910419

Abstract (en)

[origin: EP0509185A1] A feeding device or reciprocating pumps comprising a vertical conduit (11) communicating at the upper end with the liquid tank and at the lower end with the pumping chamber (2), a gravity bowl valve (12) disposed near the lower end and formed of a cap having the form of a spherical bowl cooperating with a sealing seat formed in the conduit (11) and resting under opened condition on a pierced washer (9) so as to allow any gas fraction or steam bubbles to be returned from the pumping chamber (2) to the feeding tank during the suction stroke. <IMAGE>

IPC 1-7

**F04B 15/08**; F04B 53/00; F04B 53/10

IPC 8 full level

**F04B 15/08** (2006.01); **F04B 53/06** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP)

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Cited by

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**EP 0509185 A1 19921021**; **EP 0509185 B1 19951108**; DE 69114474 D1 19951214; DE 69114474 T2 19960808; ES 2084142 T3 19960501

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