

Title (en)

System and method for cleaning liquid passage by negative pressure

Title (de)

Verfahren und System zur Reinigen ein Flüssigkeitsdurchsystem mittels Unterdruck

Title (fr)

Procédé et système pour le nettoyage d'un passage de liquide au moyen de pression négative

Publication

EP 0767010 A1 19970409 (EN)

Application

EP 95307071 A 19951005

Priority

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Abstract (en)

A cleaning system and method for cleaning an interior of a liquid passage (10) formed in a metal mold (1) or other pipeline system so as to remove scales, slime or rust deposited on or generated in the interior of the passage. A cleaning liquid tank (2) is connected to an inlet (10a) of the liquid passage through a cleaning liquid supply passage (8), and outlet of the liquid passage is connected to the tank by way of a cleaning liquid discharge passage (10b) for recirculating the liquid. A diaphragm type pump (3) is provided at the cleaning liquid discharge passage so as to introduce the cleaning liquid into the liquid passage under negative pressure. The diaphragm type pump generates liquid flow pulsation to impart a physical impact on the deposited material. Compressed air can be applied into the cleaning liquid flowing at the cleaning liquid supply passage. <IMAGE>

IPC 1-7

B08B 9/02; **B08B 9/03**

IPC 8 full level

B08B 9/00 (2006.01); **B08B 9/02** (2006.01); **B08B 9/035** (2006.01); **B08B 9/04** (2006.01)

CPC (source: EP)

B08B 9/00 (2013.01); **B08B 9/032** (2013.01); **B08B 9/0326** (2013.01); **B08B 9/057** (2013.01)

Citation (applicant)

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