

Title (en)
WATERING PUMP

Title (de)
BEWÄSSERUNGSPUMPE

Title (fr)
POMPE D'ARROSAGE

Publication
EP 4191065 B1 20240117 (EN)

Application
EP 21212039 A 20211202

Priority
EP 21212039 A 20211202

Abstract (en)
[origin: EP4191065A1] A pump (100) includes a body (102) defining an inlet (104) and an outlet (106). A first valve (300) selectively opens a backflow opening (110). The first valve (300) includes a first valve housing (306), such that a first valve body (308) is biasingly coupled by a first spring (310) within the first valve housing (306). The first valve body (308) moves the first spring (310) to a first compressed state, and to a first uncompressed state. A second valve (312) provided within the first valve (300) includes a second valve body (314). The second valve body (314) is biasingly coupled by a second spring (316) within the first valve body (308). The second valve body (314) moves the second spring (316) to a second compressed state to allow flow of the liquid, and to a second uncompressed state to disallow flow of the liquid through the second valve (312).

IPC 8 full level
F04D 1/00 (2006.01); **F04D 9/00** (2006.01); **F04D 15/00** (2006.01)

CPC (source: CN EP)
F04D 1/00 (2013.01 - CN EP); **F04D 9/005** (2013.01 - EP); **F04D 15/0005** (2013.01 - CN); **F04D 15/0011** (2013.01 - EP)

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EP 4191065 A1 20230607; **EP 4191065 B1 20240117**; CN 116221126 A 20230606; HU E065119 T2 20240528

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