

Title (en)
HOSE PUMP

Publication
EP 0322594 B1 19900425 (DE)

Application
EP 88120116 A 19881202

Priority
DE 3741262 A 19871205

Abstract (en)

1. A hose pump, particularly for dosage equipments in water preparation plants, with a pump body (1), a closed hose (2) for the medium to be pumped, particularly a fluid, led through the pump body (1) and lying against a buttress wall (3) thereof, squeezing units (4, 5) squeezing the hose at least two places and a drive (6) to move the squeezing units (4, 5), in which by opening and closing squeezing units (4, 5) in a prescribed succession a definite volume of the fluid can be conveyed and in which the hose (2) lies essentially stationary between the buttress wall (3) and a squeezing plate (9), characterized in that the hose (2) is sharply bent with a bend of about 180 degrees around an end of squeezing plate (9) serving as the first squeezing unit (4), that at the other end of squeezing plate (9) the buttress wall (3) is located opposite to the second squeezing unit (5), that the squeezing plate (9) and the second squeezing unit (5) can be moved to and for by the drive (6) between a first pumping position (I) with greater spacing from the buttress wall (3) and a second pumping position (II) with small spacing from the buttress wall (3), that in the first pumping position (I) the hose (2) is essentially relaxed and the second squeezing unit (5) does not squeeze it ; and that on the way from the first pumping position (I) to the second pumping position (II) first of all the second squeezing unit (5) and subsequently the squeezing plate (9) squeezes the hose against the buttress wall (3).

IPC 1-7
F04B 43/08

IPC 8 full level
F04B 43/08 (2006.01); **F04B 43/09** (2006.01)

CPC (source: EP US)
F04B 43/09 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0322594 A1 19890705; EP 0322594 B1 19900425; AT E52310 T1 19900515; DE 3741262 A1 19890622; DE 3741262 C2 19890921; DE 3860107 D1 19900531; US 4948350 A 19900814

DOCDB simple family (application)
EP 88120116 A 19881202; AT 88120116 T 19881202; DE 3741262 A 19871205; DE 3860107 T 19881202; US 40054389 A 19890830