Title (en)

HYDRANT DRAINING

Title (de)

HYDRANTENENTWÄSSERUNG

Title (fr)

DRAINAGE DE BOUCHES D'EAU

Publication

EP 3417117 A1 20181226 (DE)

Application

EP 16705477 A 20160216

Priority

EP 2016053234 W 20160216

Abstract (en)

[origin: WO2017140346A1] The invention relates to a hydrant (100), which comprises a riser pipe (102), which has an interior (104) and an outside, and a shut-off element (108), which can be brought from at least one open position into at least one closed position and vice versa. The shut-off element (108) is designed in such a way that, in the closed position, the interior (104) of the riser pipe (102) can be sealed off from a hydrant inlet (106). The hydrant (100) comprises at least one first passage (114', 114"), by means of which the interior (104) of the riser pipe (102) can be fluidically connected to the outside of the hydrant (100), and one second passage (116', 116"), by means of which the pressurized hydrant inlet (106) can be fluidically connected to the outside of the hydrant (100), wherein the first passage (114, 114', 114"; 214; 314) and the second passage (116, 116', 116"; 216; 316) can be brought into operative connection with each other. Said operative connection produces a vacuum by means of water flowing through the second passage (116', 116") such that water in the interior (104) of the riser pipe (102) is led away via the first passage (114', 114") and the riser pipe (102) is thereby drained.

IPC 8 full level

E03B 9/14 (2006.01)

CPC (source: EP RU US)

E03B 9/04 (2013.01 - US); **E03B 9/14** (2013.01 - EP RU US)

Citation (search report)

See references of WO 2017140346A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017140346 A1 20170824; CA 3021242 A1 20170824; EP 3417117 A1 20181226; EP 3417117 B1 20220817; EP 4092206 A1 20221123; RU 2706217 C1 20191115; UA 123106 C2 20210217; US 10865549 B2 20201215; US 2019119887 A1 20190425

DOCDB simple family (application)

EP 2016053234 W 20160216; CA 3021242 A 20160216; EP 16705477 A 20160216; EP 22183936 A 20160216; RU 2018131126 A 20160216; UA A201809408 A 20160216; US 201616094554 A 20160216