

Title (en)
DRAINAGE SYSTEM

Title (de)
DRAINAGESYSTEM

Title (fr)
SYSTÈME DE DRAINAGE

Publication
EP 3974592 A1 20220330 (EN)

Application
EP 21199443 A 20210928

Priority
DK PA202070660 A 20200929

Abstract (en)
The invention relates to the technical field of flap/flush gates, particularly to a drainage system (1) for opening and closing the discharge end of outlet pipes (6). It is an object of the invention to provide a drainage system (1) and a method, which leads to an efficient and agile installation to work in, when doing repairs, maintains or replacement of parts in a drainage system. The present invention addresses this by providing a drainage system (1) comprising:- a reservoir (2), having an inlet opening and at least one outlet opening (11),- a flap gate (4) arranged on the inner side of the reservoir (2) capable of covering the inlet opening, when the flap gate (4) is arranged in a closed position, and when the flap gate is in an open position, water is capable of running into the reservoir,- at least one gate valve arranged relative to said at least one outlet opening (11), such that said at least one gate valve is capable of covering said at least one outlet opening, when the gate valve is arranged in a closed position, and when the gate valve is in an open position, water is capable of running out of the reservoir through the at least one outlet opening,- at least one outlet pipe (6) having a first end opening and a second end opening, wherein the first end opening is arranged in fluid connection to the at least one outlet opening (11) in the reservoir (2),- a flush gate (7) arranged relative to said at least one outlet pipe's (6) second end opening where the flush gate (7) is capable of covering said second end opening, when the flush gate is arranged in a closed position, and when the flush gate is in an open position, water is capable of running out of the at least one outlet pipe 's second end opening.

IPC 8 full level
E03F 5/10 (2006.01)

CPC (source: EP)
E03F 5/101 (2013.01); **E03F 5/105** (2013.01)

Citation (search report)
• [X] FR 2517719 A1 19830610 - SOTERKENOS SARL [FR]
• [IAY] US 4800907 A 19890131 - GIEHL K ULRICH [DE], et al
• [Y] GB 2009281 A 19790613 - ROBERTSON CO H H
• [Y] US 8021543 B2 20110920 - GHALIB SAAD A [US]

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)
EP 3974592 A1 20220330

DOCDB simple family (application)
EP 21199443 A 20210928