

Title (en)
Wastewater pumping station

Title (de)
Abwasserhebeanlage

Title (fr)
Installation de levage d'eau usées

Publication
EP 0846810 A3 19990428 (DE)

Application
EP 97120810 A 19971127

Priority
DE 19650625 A 19961206

Abstract (en)
[origin: US5954484A] A sewage lifting station having at least two solid waste collection chambers for receiving pumped solid waste-contaminated sewage. The station has a collection tank for receiving pre-treated waste water flowing from the solid waste collection chambers via connection pipes. Each solid waste collection chamber is connected to a pump to empty the collection tank via one of the connection pipes and solid waste collection chambers to pump the current of sewage into a pressure pipeline. There is a closing device connected to each connection pipe to selectively close an exit orifice in the connection pipe and open a connection to an operating pump to drain the collection tank. A control device alternately closes and opens the exit orifices with the closing devices so that an exit orifice allocated to an operating pump is closed and an exit orifice allocated to a non-operating pump is simultaneously and automatically opened. The present invention ensures precise opening and closing of the exit orifices, thus ensuring efficient operation of the sewage lifting station.

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E03F 5/22

IPC 8 full level
E03F 5/22 (2006.01)

CPC (source: EP US)
E03F 5/22 (2013.01 - EP US); **F04D 7/045** (2013.01 - EP US); **F04D 13/14** (2013.01 - EP US); **F04D 13/16** (2013.01 - EP US); **F04D 29/708** (2013.01 - EP US); **Y10S 137/906** (2013.01 - EP US); **Y10S 417/90** (2013.01 - EP US); **Y10T 137/86686** (2015.04 - EP US)

Citation (search report)
• [XD] DE 3607353 A1 19870910 - STRATE MASCHF [DE]
• [A] DE 2822877 A1 19791129 - CREMER & KREUSELER
• [A] DE 1609166 B1 19700709 - STRATE WILFRIED

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EP1860245A1; CN104863250A; EP1108822A1; WO2013119130A1; WO2010025852A1; DE202008011273U1; DE202010001472U1; EP2354342A1

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US 5954484 A 19990921; AT E222979 T1 20020915; DE 19650625 C1 19971113; DE 59708058 D1 20021002; EP 0846810 A2 19980610; EP 0846810 A3 19990428; EP 0846810 B1 20020828

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