

Title (en)
VACUUM SEWER SYSTEM

Title (de)
UNTERDRUCK-ABWASSERSYSTEM

Title (fr)
SYSTEME D'EGOUT A VIDE

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Application
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Abstract (en)
[origin: US2004237183A1] The invention relates to a method for transporting waste material in a vacuum sewer system, which includes a source of waste (1), a sewer pipe (2, 21, 22), a first discharge valve (3) between the source of waste (1) and the sewer pipe (1, 21), a second discharge valve (4) in the sewer pipe (2), a waste receiving space and means (100) for generating vacuum into the sewer pipe. Waste is transported in the form of waste slugs, whereby during a first phase, the waste slug is conveyed from the waste source (1) through the first discharge valve (3) into the sewer pipe (2, 21, 22) by way of vacuum, and in a second phase, waste is conveyed further in the sewer pipe (2, 21, 22), in the direction of the receiving space. For automatically adjusting the flush cycle according to the waste slug, in the first phase, the pressure flow after the waste slug, higher than said vacuum, is introduced from the location (9) after the first discharge valve (3) to the second discharge valve (4) for closing the same so that the flow through the first discharge valve is stopped, and in the second phase, a vacuum connection to the second discharge valve (4) is activated for opening the same.

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