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Vacuum cleaning system.

A central vacuum cleaning system is disclosed, which includes a central tank (14) for collecting a liquid/debris mixture. A vacuum pump (23) is connected to an upper portion of the tank to maintain vacuum therein. Discharge means of the type of a sludge pump (28) removes the mixture from the tank to sewage. The sludge pump is so selected that it can overcome the vacuum prevailing in the tank and generated by the vacuum pump. Thus, the vacuum in the tank does not have to be cancelled, thus avoiding the need for the stoppage of operation, whenever the tank is to be drained. As a result, a more compact tank can be used for the purpose than in known devices. A continuous operation of the device regardless of the instant mode at the central tank is another advantage over prior art.

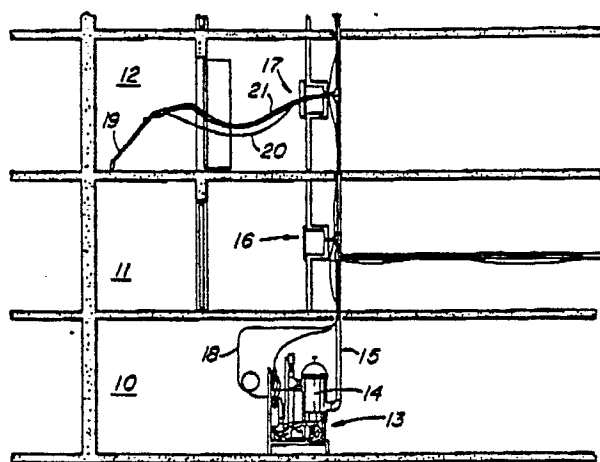


FIG. 1

EP 0 256 544 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 87111886.5
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
D,Y	US - A - 4 580 309 (DOGEN) * Totality * --	1,2,4	A 47 L 5/38
Y	US - A - 4 378 611 (NINEHOUSER) * Totality * --	1,2,4	
D,Y	US - A - 3 705 437 (RUKAVINA, JR. et al.) * Totality * --	1-4	
Y	US - A - 4 080 104 (BROWN, JR.) * Totality * --	1-4	
A	US - A - 956 231 (J.S.THURMAN) * Totality * --	1,4	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
D,A	US - A - 4 530 131 (ZELL et al.) * Totality * --	1,4	A 47 L 1/00 A 47 L 5/00 A 47 L 7/00
D,A	US - A - 4 198 724 (FISHER et al.) * Totality * --	1	
D,A	US - A - 3 286 444 (G.BOSWINKLE et al.) * Totality * ----	1,4	
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 08-06-1988	Examiner BEHMER
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	