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(54) **Self-cleaning floor drain**

(57) There is described a water trap for use in a floor drain in the shape of a vertical pipe (38). The water trap is designed with an outer, upwards open bowl (1) with a bottom and an inner pipe (2) mounted therein which together with the bowl (1) form a water trap. The inner pipe (2) is disposed with a lower edge spaced apart from the bottom of the bowl and with an upper edge located at a position above the upper edge of the bowl (1). The water

trap is provided with an outer cylindric bushing (33) adapted for disposition in the vertical pipe, and the outer side of the lower edge area (36) of the bushing (33) has a conical shape.

Hereby is achieved a water trap which has optimal through-flow and thereby a particularly efficient self-cleaning action that reduces the need for cleaning or makes it completely superfluous.

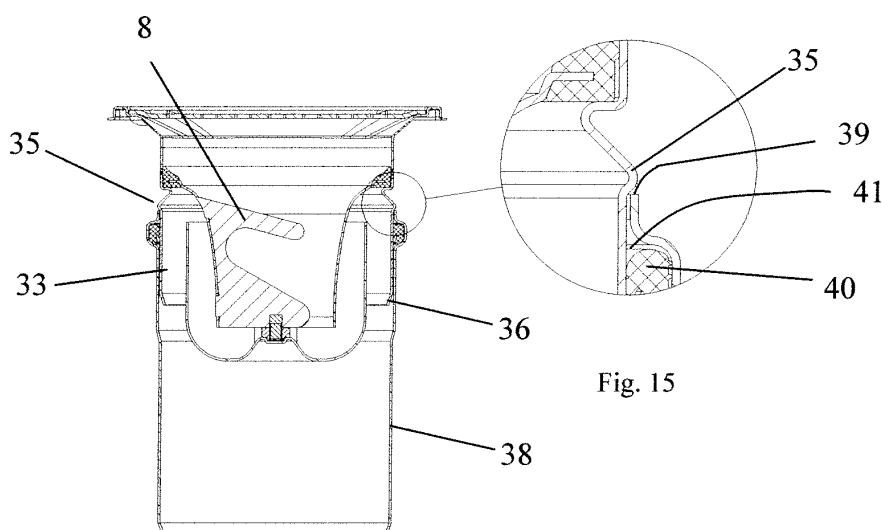


Fig. 14

Fig. 15

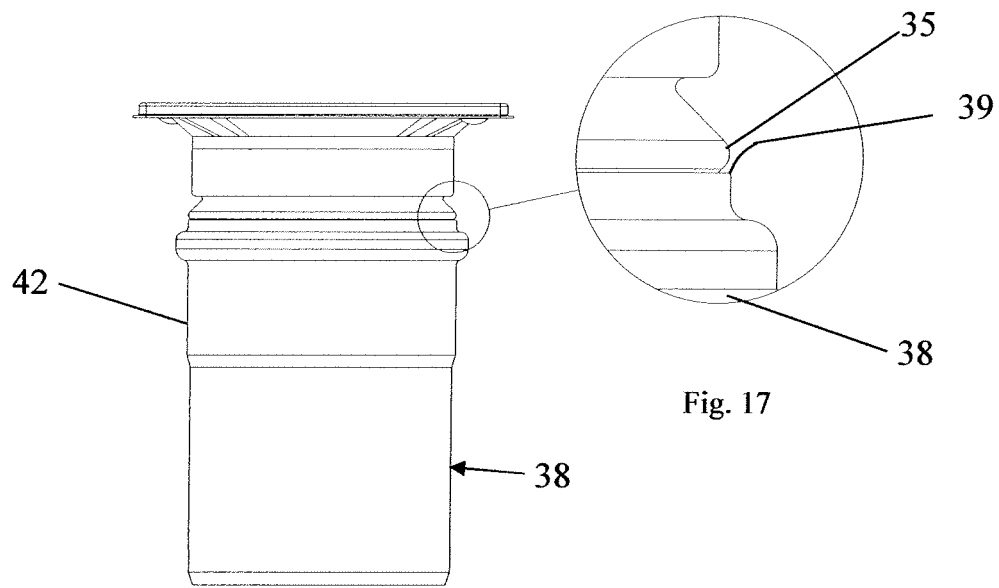


Fig. 16

Fig. 17



## EUROPEAN SEARCH REPORT

Application Number  
EP 08 16 9041

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 November 2013	Examiner Geisenhofer, Michael
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	

1  
EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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20-11-2013

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