

Title (en)  
Clamping device for floor drains.

Title (de)  
Bodenablaufvorrichtung.

Title (fr)  
Dispositif d'écoulement pour planchers.

Publication  
**EP 0502493 A1 19920909 (EN)**

Application  
**EP 92103668 A 19920304**

Priority  
SE 9100680 A 19910307

Abstract (en)

The present invention relates to a device at floor drains including an inlet member (2) into which a floor covering (3) is insertable, whereby the floor covering (3) inserted into the inlet member (2) is adapted to engage a downwardly directed wall (4) of said inlet member (2), whereby a clamping ring (5) is provided within the floor covering (3) inserted into the inlet member (2), said clamping ring (5) being adapted to press the floor covering (3) inserted into the inlet member (2) in a direction outwards against the downwardly directed wall (4) and said clamping ring (5) being split and provided with a spring (6) which is adapted to press said clamping ring (5) in a direction outwards against the floor covering (3), whereby one side (7) of the clamping ring (5) facing outwards towards the floor covering (3) includes two surfaces (8, 9) extending at an angle relative to each other and together defining a point (10) facing outwards towards said floor covering (3), and whereby the downwardly directed wall (4) comprises a relative to the clamping ring (5) downwardly/outwardly directed wall portion (11) which at least partially is located on a higher level (H1) than the point (10) of the clamping ring (5) when said clamping ring (5) is situated in an operative position in the inlet member (2). In order to ensure that the clamping ring (5) remains in the operative position despite the clamping force generated by the spring (6), an upper surface (9) of the two surfaces (8, 9) of the clamping ring (5) extending at an angle relative to each other defines an angle (  $\alpha$  ) with the horizontal plane (H2) which is equal to or preferably smaller than an angle (  $\beta$  ) between the downwardly/outwardly directed wall portion (11) of the downwardly directed wall (4) and the horizontal plane (H1), whereby the angle (  $\alpha$  ) between said upper surface (9) and the horizontal plane (H2) lies within a range of 10-55 DEG and is preferably about 45 DEG , whereby the downwardly/outwardly directed wall portion (11) defines with the horizontal plane (H1) an angle (  $\beta$  ) lying within a range of 55-65 DEG , said angle being preferably about 60 DEG , and whereby the surfaces (8, 9) of the clamping ring (5) extending relative to each other defines an angle (  $\gamma$  ) lying within a range of 100-140 DEG , said angle being preferably about 120 DEG . <IMAGE>

IPC 1-7  
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Citation (search report)

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