

Title (en)
SANITARY BUILT-IN PART

Title (de)
SANITÄRES EINBAUTEIL

Title (fr)
COMPOSANT SANITAIRE

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Abstract (en)
[origin: WO2004033108A1] The invention concerns a component (1) incorporated in a plumbing system, said component being equipped with a jet regulating device (4) inside a mounting case (6). Said jet regulating device (4) comprises at least one directly mounted element (5) housed in the mounting case (6), said element being provided with ridges (11) transverse to the flow direction and defining between them passageways (12). The invention is characterized in that the ridges (11) of at least one directly mounted element (5) are arranged in the form of a grid or network and intersect at junction points. The inventive incorporated component, which can be manufactured inexpensively, exhibits the best possible jet regulating characteristics, even if the transverse surface is relatively small. Moreover, said incorporated component (1) requires little maintenance, without any risk of malfunction resulting from dirt carried by the liquid flow.

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Citation (search report)

- [IY] EP 1245743 A1 20021002 - JOHS TANDRUP METALVAREFABRIK A [DK]
- [YA] CH 374943 A 19640131 - KARRER WEBER & CIE AG [CH]
- [YA] EP 1091052 A1 20010411 - LUNDBERG & SON VVS PRODUKTER A [SE]
- [Y] DE 20010099 U1 20000817 - WILDFANG DIETER GMBH [DE]
- [Y] DE 10027986 A1 20011220 - WILDFANG DIETER GMBH [DE]
- [Y] DE 10115639 A1 20021002 - HANS GROHE AG [DE]

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