

Title (en)

Omnilaterally pivoting water tap outlet nozzle with an adjustable jet.

Title (de)

Allseitiges schwenkbares, strahlverstellbares Auslaufmundstück für Wasserauslaufventile.

Title (fr)

Bouche d'écoulement pour robinets orientable dans tous les sens et comprenant un jet d'eau réglable.

Publication

EP 0276416 A1 19880803 (DE)

Application

EP 87117957 A 19871204

Priority

DE 8632798 U 19861206

Abstract (en)

1. Outlet nozzle, which can be pivoted in all directions, has an adjustable jet and can be screwed on at the outlet of water outlet taps, having a nozzle body (30, 40) which can move between two positions and has a central, full-jet outlet aperture (49), and a ring of holes (46) in the manner of a string of beads enclosing the said central outlet aperture (49), and flow paths (45, 47) separated spatially from each other, one leading to the central outlet aperture and one to the ring of holes, in order to bring each of the two flow paths (45, 47), selectively and with simultaneous blocking of the other flow path, into communication with the water supply (24, 25), and having a ball-and-socket joint (21, 31, 44) with a joint ball (21), through which a water supply channel (24) passes, and a screw thread connection piece (10) arranged on the said joint ball (21) for fastening to the tap outlet, as well as a joint socket (31, 44) which is assigned to the nozzle body, characterised by the following features : the nozzle body (30, 40) itself forms the joint socket ; the water supply channel (24) passing through the joint ball (21) discharges radially from the joint ball ; in the nozzle body are located two radial flow paths (45, 47), which are arranged in a common plane and offset at an angle to each other, with inlet apertures which, by rotating the nozzle body, can selectively be brought into coincidence with the discharging aperture (25) of the water supply channel (24) of the joint ball (21).

Abstract (de)

Am Auslauf von Wasserauslaufventilen anschraubbares, allseitig schwenkbares und strahlverstellbares Auslaufmundstück, bei welchem ein Mundstückkörper (30, 40) mit einer zentralen Vollstrahl-Auslauföffnung (49) und einem diese umschließenden Perlstrahllochkranz (46) die Gelenkpfanne eines Kugelgelenks (21, 31, 44) bildet, die Gelenkkugel (21) von einem Wasserzulaufkanal (24) durchzogen ist und einen Schraubgewindestutzen (10) zum Befestigen am Ventilauslauf aufweist, und im Mundstückkörper zwei Strömungswege (45, 47) mit winkelfersetzt angeordneten Einlaßöffnungen gebildet sind, die durch Drehen des Mundstückkörpers wahlweise mit einer Ausmündungsöffnung (25) des Wasserzulaufkanals der Gelenkkugel zur Deckung bringbar sind.

IPC 1-7

B05B 1/16; E03C 1/08

IPC 8 full level

B05B 1/16 (2006.01); **E03C 1/08** (2006.01); **E03C 1/086** (2006.01)

CPC (source: EP)

B05B 1/1645 (2013.01); **E03C 1/086** (2013.01)

Citation (search report)

- [A] FR 49957 E 19390929 - H SIMONS ET DE QUEVY REUNIS ET
- [A] FR 2182878 A1 19731214 - GROHE KG HANS [DE]
- [AP] DE 8704165 U1 19870507

Cited by

DE102011083447A1; CN115430090A; DE4330651A1; DE4330651C2; US6592760B2; EP0677619A3; US5653868A; EP0798424A3; US5344080A; GB2276337A; GB2276337B

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 8632798 U1 19870205; DE 3763972 D1 19900830; EP 0276416 A1 19880803; EP 0276416 B1 19900725

DOCDB simple family (application)

DE 8632798 U 19861206; DE 3763972 T 19871204; EP 87117957 A 19871204