

Title (en)
SWITCHABLE NOZZLE ARRANGEMENT

Title (de)
UMSCHALTBARE DÜSENANORDNUNG

Title (fr)
ENSEMBLE BUSE RÉVERSIBLE

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Application
EP 11802051 A 20111215

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Abstract (en)
[origin: WO2012095238A1] The invention relates to a switchable nozzle arrangement for dispensing a pressurized liquid, comprising a liquid feed part with an inlet duct which opens into a recess in which a piston with a through duct is displaceably mounted, and also comprising a liquid dispensing part which has a plurality of flow passages with different outlet openings and which is rotatable relative to the liquid feed part about an axis of rotation, wherein the piston can be brought to bear with its end side against a rear side of the liquid dispensing part with the interposition of a sealing ring, wherein on the rear side of the liquid dispensing part and on the end side of the piston there are arranged at least one latching projection and a plurality of latching depressions, and the liquid dispensing part can, by being rotated about the axis of rotation, be latched with the piston in a plurality of rotational positions, wherein in the individual rotational positions, in each case one flow passage can be connected to the through duct, and the sealing ring can be brought to bear in each case against one of a plurality of sealing surfaces. In order that the nozzle arrangement has a relatively long service life, it is proposed according to the invention that the at least one latching projection is at a greater or smaller radial distance from the axis of rotation of the liquid dispensing part than the sealing surfaces.

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