

Title (en)  
EXTERNAL MIXING NOZZLE

Title (de)  
AUSSENMISCHDÜSE

Title (fr)  
BUSE MELANGEUSE EXTERNE

Publication  
**EP 1280610 B1 20050525 (DE)**

Application  
**EP 02719976 A 20020228**

Priority  
• DE 10112562 A 20010315  
• EP 0202199 W 20020228

Abstract (en)  
[origin: US2004035952A1] An external mixing nozzle, with a flat-jet cap which is fastened to a nozzle body, the flat-jet cap being provided with a central bore or the like, pointing towards the nozzle body, for receiving a liquid insert, and having a central orifice which receives a mouth attachment of the liquid insert, at the same time defining an annular gap surrounding the mouth attachment, the flat-jet cap defining a planar surface portion which runs perpendicularly to the axis of the nozzle body and within which a central orifice is provided, and, furthermore, the surface portion having adjoining it laterally two surfaces running essentially mirror-symmetrically and obliquely to the axis of the nozzle body and adjoining the surface portion, wherein the flat-jet cap contains, in the region of the surface portion, outlet orifices which are provided at an equal distance from the central orifice and which communicate with bores provided so as to run in the jet cap obliquely to the axis of the nozzle body, with transitions from the surface portion to the lateral surfaces being defined by smooth transitions or roundings.

IPC 1-7  
**B05B 7/08**

IPC 8 full level  
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CPC (source: EP US)  
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