

Title (en)  
DEVICE FOR FIXING A DIPPING NOZZLE

Publication  
**EP 0292925 A3 19891011 (DE)**

Application  
**EP 88108288 A 19880525**

Priority  
DE 8707708 U 19870529

Abstract (en)  
[origin: EP0292925A2] In the operating position, a dipping nozzle (3) is to rest against a sliding-plate mechanism (1) with a defined contact force. The risk of damage during assembly is to be reduced. The dipping nozzle (3) is supported via a supporting ring 9 and supporting parts 7 against transverse pieces (6) inserted through fastening bolts (4). Arranged between the supporting ring (9) and the supporting parts (7) is at least one spring assembly (10), which can be brought into a stressed and a relieved state by clamping means (13). In the relieved state of the spring assembly (10), there is a clearance (H) between the dipping nozzle (3) and a stop rim (21). In the relieved state, the spring assembly (10) presses the dipping nozzle (3) against the stop rim (21) via the supporting ring (9). <IMAGE>

IPC 1-7  
**B22D 11/10**; **B22D 41/08**

IPC 8 full level  
**B22D 11/10** (2006.01); **B22D 41/08** (2006.01); **B22D 41/56** (2006.01)

CPC (source: EP)  
**B22D 41/56** (2013.01)

Citation (search report)  
• [A] EP 0192019 B1 19900822  
• [A] US 4415103 A 19831115 - SHAPLAND EARL P [US], et al  
• [AP] US 4693401 A 19870915 - NISHIMURA TAKAHIRO [JP], et al

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US5645120A

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