

Title (en)  
INK JET WRITING HEAD

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Application  
**EP 89912438 A 19891030**

Priority  
DE 3837680 A 19881105

Abstract (en)  
[origin: WO9005066A1] An ink chamber (2) connected to an ink pressure source is arranged in an ink jet printing head (1). Several closure elements (7), each of which closes an ink jet nozzle (5), are arranged in the ink chamber (2). Each closure element (7) is connected to a drive device via a tie rod (8). Each tie rod (8) moves out of the ink chamber (2) through an actuating opening (9). A tie rod seal arranged at each actuating opening (9) consists of a slim, conical frustum-shaped sealing sleeve (12) which can be elastically deformed in the axial direction, the wider end of which is sealingly connected to the edge of the actuating opening (9) and the narrower end of which sealingly surrounds the tie rod (8). When the tie rod (8) moves axially, the sealing sleeve (12) is only deformed axially, without friction.

IPC 1-7  
**B41J 2/04**

IPC 8 full level  
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Cited by  
DE102005031034B4; EP1219439A1; DE102005020248B4; WO2005084952A1; WO2005110759A1; EP2716459A1; WO2013013983A1; US9751313B2; US9994029B2

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