

Title (en)
SHAFT ARRANGEMENT FOR AN INJECTION MOULDING NOZZLE AND METHOD FOR PRODUCING A SHAFT ARRANGEMENT FOR AN INJECTION MOULDING NOZZLE

Title (de)
SCHAFTANORDNUNG FÜR EINE SPRITZGIESSDÜSE UND VERFAHREN ZUR HERSTELLUNG EINER SCHAFTANORDNUNG FÜR EINE SPRITZGIESSDÜSE

Title (fr)
ENSEMBLE CORPS DE BUSE DE MOULAGE PAR INJECTION ET PROCÉDÉ DE RÉALISATION D'UN ENSEMBLE CORPS DE BUSE DE MOULAGE PAR INJECTION

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Application
EP 07723838 A 20070330

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Abstract (en)
[origin: CA2648807A1] The invention relates to a shaft arrangement (10) for an injection moulding nozzle (1), comprising a heated material pipe (3) which has a nozzle tip on the end, a shaft main part (20), a thermally insulated separation part (30) and a shaft end part (40). Said shaft main part (20) and the separation part (30) surround the material pipe (3) at a radial distance, and the shaft end part (40) forms a receiving element (41) which holds the free end (4) of the material pipe (3) in a sealed manner. The shaft main part (20), the separation part (30) and the shaft end part (40) comprise front-sided receiving elements (21, 31, 32) for at least one adjacent shaft part (20, 30, 40). They also have, prior to forming, a machining external contour (K), a soldering depot (23, 33), in which annular soldering elements (24, 34) are introduced, in order to solder all three components (20, 30, 40) together. The annular end part (40) is hardened after the soldering process in order to increase the resistance to wear and tear. The soldering temperature lies in the region of the transition temperature of the material of the shaft end part (40).</SDOA B>

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