

Title (en)  
SOLENOID PLUNGER SYSTEM COMPRISING AN IMPACT DAMPING MECHANISM

Title (de)  
TAUCHANKERSYSTEM MIT ANSCHLAGDÄMPFUNG

Title (fr)  
ENSEMBLE INDUIT PLONGEUR A ARRET AMORTI

Publication  
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Application  
**EP 01969724 A 20010917**

Priority  
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Abstract (en)  
[origin: WO0225676A1] The invention relates to a solenoid plunger system (1) for an electropneumatic pressure transducer. Said system comprises the following elements, all situated at least partially in a casing (14), in particular an iron casing: a solenoid plunger (10); a core (16, 20) such as an iron core or a magnetic core; at least one first cavity (12) in the solenoid plunger and/or a second cavity (18) in the core (16); an air-gap (32) between the casing and the solenoid plunger and/or the core, said gap being adjusted by the relative movement of the solenoid plunger and the core, during which the solenoid plunger can be at least partially introduced into and removed from the second cavity (18) in the core and/or the core (20) can be at least partially introduced into and removed from the first cavity in the solenoid plunger; and a first damping member (28) in the first cavity and/or a second damping member (30) in the second cavity.

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