

Title (en)  
Manipulator for forging machines

Title (de)  
Manipulator für Schmiedemaschinen

Title (fr)  
Manipulateur pour machines à forger

Publication  
**EP 2243572 B1 20160615 (DE)**

Application  
**EP 10003811 A 20100409**

Priority  
• DE 102009018353 A 20090423  
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Abstract (en)  
[origin: EP2243572A2] The manipulator has an adjustment drive including a main shaft (3) e.g. hollow shaft, for rotatably driving a retaining tool (1) i.e. tongs. The adjustment drive has a coupling arrangement with a coupling disk (4a) that is rotatably connected with the main shaft. A coupler (4b) of the coupling disk is enclosed around the coupling disk and supported on the main shaft in a freely oscillating manner. The adjustment drive is connected with a hydraulic drive for rotatably moving the main shaft around a longitudinal axis.

IPC 8 full level  
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CPC (source: EP US)  
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