

Title (en)  
TOOL ASSEMBLY

Title (de)  
WERKZEUGZUSAMMENBAU

Title (fr)  
ENSEMBLE OUTIL

Publication  
**EP 1250201 A1 20021023 (EN)**

Application  
**EP 00980182 A 20001115**

Priority  
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Abstract (en)  
[origin: WO0136123A1] A tool assembly (1) in which a tool closing force (CF) is applied to a forming tool (2) by means of closing force actuators (40). In a tool closing position each closing force actuator engages a lower tool section (4) and an upper tool section (3) through tool clamps (31A, 31B). The tool clamps and the respective tool sections engage with inclined contact. Thereby the clamps (31A, 31B) take up the major portion of the tool separating force generated by the internal pressure of the forming tool (2). Only a smaller portion of the tool separating force has to be counteracted by the closing force actuators, the size of which will therefore be substantially reduced. The elasticity of the clamp material results in a certain widening of the clamp under the influence of the tool separating force, and this clamp widening is compensated by the continuous readjustment of the clamp through the application of the closing force.

IPC 1-7  
**B21D 26/02**

IPC 8 full level  
**B21D 26/02** (2011.01); **B21D 26/025** (2011.01); **B21D 26/039** (2011.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 0136123A1

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