

Title (en)
Method for manufacturing ring-like components

Title (de)
Verfahren zur Herstellung von ringförmigen Bauteilen

Title (fr)
Procédé de fabrication de composants annulaires

Publication
EP 2221127 B1 20120201 (DE)

Application
EP 09153340 A 20090220

Priority
EP 09153340 A 20090220

Abstract (en)
[origin: EP2221127A1] The method involves guiding a raw material strand (8) by an axially movable guiding and shearing tool (10). A machine ram i.e. plunger (11), is introduced into the strand by a movement in a front dead center, where a front end of the strand is transformed into a cup-shape by backward extrusion. The ram is withdrawn behind the dead center under simultaneous withdrawal of the tool, where shearing of a ring-like material portion from the strand takes place. The ring-like material that remains in an annular space due to friction after shearing, is removed. The space is formed from a ram side. An independent claim is also included for a tool system for producing a ring-like workpiece, comprising a fixed pressing part.

IPC 8 full level
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CPC (source: EP)
B21J 9/02 (2013.01); **B21J 13/03** (2013.01); **B21K 1/761** (2013.01)

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