

Title (en)

METHOD AND APPARATUS FOR PERFORMING A MAGNETIC PULSE FORMING PROCESS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DURCHFÜHRUNG EINES PROZESSES ZUR BILDUNG MAGNETISCHER IMPULSE

Title (fr)

PROCEDE ET APPAREIL D'EXECUTION D'UN PROCESSUS DE FORMAGE PAR IMPULSIONS MAGNETIQUES

Publication

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Application

EP 05855345 A 20051227

Priority

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- US 31224805 A 20051219

Abstract (en)

[origin: WO2006071766A2] A magnetic pulse forming process is performed by an apparatus and a method that causes the plasticity of a workpiece to be preliminarily increased to facilitate deformation to the desired shape. Initially, a mandrel having a surface and an electrically conductive member are provided. The workpiece is oriented between the surface of the mandrel and the electrically conductive member, and a first electrical current is caused to flow through the workpiece and the electrically conductive member so as to increase the plasticity of the workpiece. Then, a second electrical current is caused to flow through the electrically conductive member and the workpiece so as to cause the workpiece to be deformed into engagement with the surface of the mandrel.

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CPC (source: EP US)

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Citation (search report)

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- See references of WO 2006071766A2

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