

Device and method for machining metal parts manufactured using additive manufacturing technologies

DESCRIPTION OF THE INVENTION

The invention consists of a device and method for machining the metal parts produced by additive manufacturing technologies. This invention makes possible the machining on both sides of metal parts

made with these technologies. This device and the mentioned method ensure the positioning of parts between the additive manufacturing equipment and the machining equipment.

APLICACION BUSINESS SECTORS

-) Implant manufacturers
-) Dental products manufacturers
-) Aeronautical
-) Machinery manufacturers
-) Tool makers
-) Additive Manufacturing manufacturers
-) Machining technologies providers
-) CAD-CAM manufacturing and training center
-) CAD-CAM software developers

TECHNICAL ADVANTAGES AND BUSINESS BENEFITS

The technology offers the following advantages and benefits:

-) Dimensional accuracy improvement of metal parts made with additive technologies
-) Process time improvement
-) Manufacturing cost improvement
-) Machining of complex shapes
-) Two-sided machining
-) Reusable fastening device

STATUS DEVELOPED OF THE TECHNOLOGY

TRL4: The device and the machining working method were tested in a laboratory environment, and two parts made with two additive manufacturing technologies were made.

INTELLECTUAL PROPERTY RIGHTS

It has been submitted a national patent in Spain and a PCT to international level.

Title: PROCEDIMIENTO Y SISTEMA DE PRECISIÓN PARA MECANIZACIÓN DE PIEZAS OBTENIDAS POR FABRICACIÓN ADITIVA

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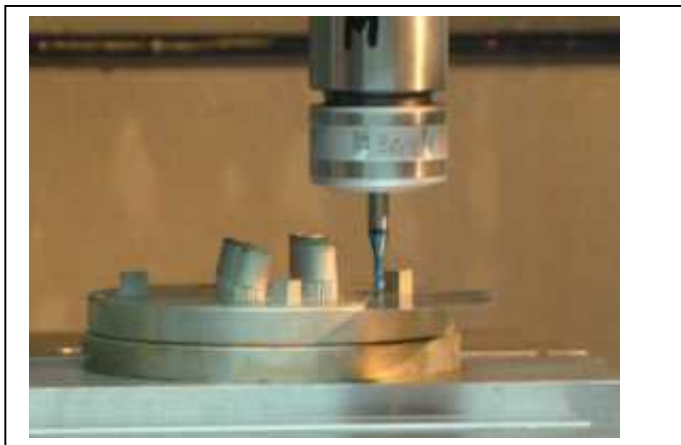
COLLABORATION SOUGHT

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We look for companies interested in the following cooperation:

- License agreement for the exploitation of the patent.
- Agreement about transfer of the knowledge for implementing the described solution with companies related to additive manufacturing such as final users, mechanical workshops, additive metal parts providers, additive manufacturing and machining providers.

RELATED IMAGES



CONTACT DETAILS

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