

Title (en)

METHOD OF PRODUCING PRECIOUS METAL ALLOY OBJECTS

Title (de)

VERFAHREN ZUR HERSTELLUNG WERTVOLLER METALLLEGIERUNGSOBJEKTE

Title (fr)

PROCÉDÉ DE FABRICATION D'OBJETS EN ALLIAGE DE MÉTAL PRÉCIEUX

Publication

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Application

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Abstract (en)

[origin: WO2009126095A1] The present invention provides a method for manufacturing a biocompatible precious metal alloy object. According to a first aspect melting of alloying elements and casting of the biocompatible precious metal alloy are carried out in a process chamber (11) being provided with a process gas of predetermined composition. A burning flame (19) of a hydrocarbon-containing gas provides low oxygen and water content. According to a second aspect post-processing of a precious metal alloy is made in atmosphere provided by the process gas to form the biocompatible precious metal alloy object. The biocompatible precious metal alloy object manufactured according to the invention has a low probability of causing sensitisation when in contact with the human body.

IPC 8 full level

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Citation (search report)

- [XYI] EP 0124574 B1 19910626
- [XYI] US 4580617 A 19860408 - BLECHNER CHARLES [US], et al
- [XYI] DE 29710863 U1 19970814 - SCHULTHEISS GEORG [DE]
- See references of WO 2009126095A1

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CN108673036A; CN108673037A

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