

Method of obtaining high-ductility Ti-Re alloys, Ti-Re alloys obtained by this method and their application

Description of the solution:

The invention relates to a method for obtaining titanium and rhenium alloys with high mechanical and thermal strength and high plasticity, as well as titanium and rhenium alloys obtained by the method in question and their use.

Benefits of the solution:

- The possibility of obtaining a material with both high strength and extremely high plasticity and ductility. This allows plastic processing of such materials without problems. Such high plasticity is desirable in Ti-based materials and yet virtually unheard of in known commercial alloys.

Area of application:

Aviation, power engineering.

Intellectual property:

Inventions: P.440101, EP4206341

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