

Technology Request

A Chinese company seeks the diaphragm material of cast titanium technology

Summary

A Chinese company is looking for the diaphragm material of cast titanium which is used to form sandwich between cast mold and titanium castings. The diaphragm should be resistant to reflow and insolubility. Commercial agreement with technical assistance is being sought.

Creation Date	25 August 2017
Last Update	05 September 2017
Expiration Date	05 September 2018
Reference	TRCN20170823001

Details

Description

The Chinese company was established on the 13th of August 2013. Their institute is based on the industry vanadium& titanium industry that formed by the comprehensive utilization of titanium-magnetite containing vanadium.

The institute has been mainly devoting to researches and developments, major aspects as in followings□

- (1)The researches and developments of common technologies,the key technologies and innovation in the industry of vanadium and titanium;
- (2)Technological innovation□technological achievements transformation and industrialization in the industry of vanadium and titanium;
- (3)Constructing public platform of technological service□providing service of science and technology, and economic data service for the industry of vanadium and titanium ;
- (4)Launching cooperation and exchange of science and technology.

Titanium casting is generally a single process of casting, molding, molding processing, surface treatment. With good cast titanium diaphragm material, the process of casting titanium can implement effectively the inner surface repair of the mold ,and the effective isolation layer formed between titanium castings and the mold,which ensure rapid demoulding and maintaining a smooth surface.The surface quality defects are avoided and repair processing improved.

The diaphragm material of cast titanium is developed to help the improvement of precision cast□market expansion of titanium casting and application of metallic titanium.The value of application is more than 1 million dollars, potential value 5~10million dollars.

The Chinese institute is looking for partners who have patent on the diaphragm material of cast titanium for commercial cooperation under technical assistance.

Technical Specification or Expertise Sought

The diaphragm material of cast titanium are required to have resistance to high temperature(melting point 1850 □ or higher) and the stable physical and chemical properties.The diaphragm material of cast titanium is limited to the inorganic powder material, and no reaction of dissimilation and discomposition took place in the process of casting titanium.

The toxic and harmful substances are not allowed to produce. The process has a good condition of separation, which does not contaminate the surface of the titanium castings, and does not bring in the impurities of C, O and N .

Keywords

Technology

02002002 Coatings

Market

08001007 Coatings and adhesives manufactures

NACE

B.07 Mining of metal ores

Network Contact

Issuing Partner

CONSELL GENERAL DE LES CAMBRES OFICIALS DE COMERC INDUSTRIA I NAVEGACIO DE CATALUNYA

Contact Person

Montse Monedero

Phone Number

+34 934169255

Email

cateen@cambrescat.org

Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

Ref: TRCN20170823001

2013

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

China

Partner Sought

Type and Role of Partner Sought

Partners should have patent technology of the diaphragmmaterial of cast titanium and rich experience.

Commercial agreement with technical assistance is the first cooperation option.

Type of Partnership Considered

Commercial agreement with technical assistance

Attachments
