Technology Request

A Japanese electrical & aerospace company is seeking a supply partner of application specific integrated circuit in the EU

Summary

A global and well known Japanese electrical & aerospace company is seeking a supply partner of application specific integrated circuit (ASIC) in the EU. They are seeking an ASIC manufacturing partner located in France, Germany, Greece, Italy or United Kingdom which can design custom-made ASIC specifically based on their request. If a suitable partner is found, the company hopes to develop a long term business relationship.

Creation Date	23 May 2014
Last Update	10 July 2014
Expiration Date	10 July 2015
Reference	TRJP20140523001

Details

Description

A global and well known Japanese electrical & aerospace company is seeking a supply partner of application specific integrated circuit (ASIC) in the EU.

They are seeking an ASIC manufacturing partner located in France, Germany, Greece, Italy or United Kingdom which can design custom-made ASIC specifically based on their request.

The company is a manufacturer of radiometers for earth observation from satellites. The radiometers' optical sensor is mounted with CCDs (Charge Coupled Device) with front-end circuit. CCDs for satellite usage are required to be robust and high performance device with high resolution and sensitivity.

The Japanese company has been a collaborative partner with major European satellite related public institutions such as ESA (European Space Agency) and CNES (French National Centre for Research on Space.)

Therefore, if the potential partner can successfully be part of the project with the Japanese company, there should be more business opportunities in future.

They expect to build a long-term partnership with the ASIC supplier with mutual close communication in the development and production phase of the ASIC. A manufacturing or technical cooperation agreements are considered.

Technical Specification or Expertise Sought

Primarily, the company would like to find partners who can implement the following front-end circuit on ASIC:

- Optical Black Clump
- Correlated Double Sampling
- Analog Gain Amplification circuit
- Analog to Digital Converter.

As a second priority, they are seeking an ASIC partner for following products as well:

- CCD (Charge Coupled Device) Output multiplexer
- CCD Input Level Converter
- SerDes (SERializer/DESerializer) and Multiplexer

Due to the specificity of the topic and for confidentiality reasons, detailed technology specification for each ASIC will be provided later from the Japanese electric company to any interested partners.

Keywords

Technology

001005008	SatelliteTechnology/Systems/Positioning/Communication in GPS - Global Positioning System
001006010	Printed circuits and integrated circuits

Market

001005004	Microwave and satellite components (including antennae and amplifiers)
003001007	Circuit boards

NACE

C.26.1.1	Manufacture of electronic components
C.27.9.0	Manufacture of other electrical equipment
C.30.3.0	Manufacture of air and spacecraft and related machinery

Dissemination

Restrict Dissemination to Specific Countries

France,Germany,Greece,Italy,UnitedKingdom,

Client

Type and Size of Organisation Behind the Profile

Industry >500 MNE

Year Established

1899

Turnover

>500M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

They are a global company doing business in about 200 countries, and export/import with various partners all over the world.

Certification Standards

ISO 9001
ISO 14000

Langages Spoken

English

Client Country

Japan

Partner Sought

Type and Role of Partner Sought

Able to design custom-made ASIC specifically based on the Japanese company's request.

It would be best that the potential partner has experience in designing and manufacturing ASIC for satellites (and that these satellites are already in orbit) and embedded space systems.

If the partner has already provided a similar product to other satellite related manufacturers, this partnership will enable them to expand their market to Japan.

A partner able to provide a long term business relationship if selected.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Manufacturing agreement
Technical cooperation agreement

Adhesives manufacturer sought with know-how to optimize protective antifouling foil for maritime vessels

Summary

A German company has developed a self-adhesive anti-fouling foil for maritime vessels that is effective and not toxic. There is still a need to optimize the foil regarding the adhesion. Thus the company is looking for a manufacturer of adhesives to contribute know-how and to work together on the further development of the foil within a technical co-operation. The foil should last at least six years underwater.

Creation Date	08 July 2014
Last Update	15 July 2014
Expiration Date	15 July 2015
Reference	TRDE20140708001

Details

Description

Conventional antifouling systems for maritime vessels are either effective against underwater growth but toxic and not degradable or they are non-toxic but not sufficiently effective.

Antifouling lacquers are suitable to coat any geometry but the application and quality depend on many parameters, such as, weather (cold, humidity), material preparation and the skills of the applications engineer. Often the lacquers contain copper and zinc alloys that are not easily or not at all degradable in maritime environments. Substitute materials are based on not yet investigated chemical compounds.

A German company has developed and patented a promising alternative. Their solution is a self-adhesive anti-fouling foil that stops disadvantageous growth without relying on persistent toxins. The antifouling impact of the foil has been tested successfully by independent bodies in different regions, e.g. North Sea and Indian Ocean.

In order to optimize the result and make the product ready for the market they are looking for an adhesive manufacturer to optimize the adhesive characteristics of the product.

Technical Specification or Expertise Sought

Adhesives should have a life period of at least six years under water for ships going up to 50 km/h in different climates.

Stage of Development

Available for demonstration

IPR Status

Patents granted

Comment Regarding IPR status

German patent granted

Keywords

Technology

002002007	Joining techniques (riveting, screw driving, gluing)
002005001	Foil, fils
002007001	Adhesives

Market

005004003	Marine products
008001007	Coatings and adhesives manufactures
009001007	Other transportation

NACE

C.30.1.1	Building of ships and floating structures
C.33.1.5	Repair and maintenance of ships and boats

Client

Type and Size of Organisation Behind the Profile

Industry >500

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

Type of partner: Industry
Area of acitivity: Manufacturer of adhesives and glues
Task to be performed : Joint further technical development and optimization of adhesive foil.

Type of Partnership Considered

Technical cooperation agreement