Technology Request

Optoelectronics materials production

Summary

A South-Korea based SME working in the field of material engineering, specialized in substrate production is looking for a production technology for an optoelectronic materials in order to improve the quality of current semiconductor process. The company is interested in research cooperation agreements.

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Details

Description

A South-Korea based SME working in the field of material engineering is looking for 'optoelectronic material technology' in order to broaden their business area through development/research in source technology of optoelectronic materials

The technology sought is expected to have the following characteristics and effects

1) Blocks gas permeation of oxygen and vapor
2) High level of thermal resistance and low level of thermal expansion for processing temperature
3) Low thickness variation of the film, refractive index and retardation
4) High surface smoothness
5) Proper level of solvent resistance
6) Decrease the weight of products
7) Slim down the thickness of products
8) Increase the level of shock resistance of products
9) Reduce costs

The company expects to improve the current process and to adapt the new technology through possible research cooperation agreements.

Technical Specification or Expertise Sought

In order to develo/demonstrate the technology sought, the following original technologies should be integrated;
- Transparent plastic panel production
- Coating materials design & control
- Performing
- Hybridization of in/organic materials

- Precise/post processing, etc.

Keywords

Technology

001006002 Electronic engineering

Market

003004003 Other electronics related equipment

NACE

C.27.9.0 Manufacture of other electrical equipment

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Client Country

South Korea

Partner Sought

Type and Role of Partner Sought

- Task to be performed by the partner sought: Research cooperation agreement
- Type of partner sought: Industry, Research organization
- Specific area of activity of the partners: relevant field of materials engineering, optoelectronics, semiconductors, etc.

Type of Partnership Considered

Research cooperation agreement