



COOPERATION OFFER

GENERAL DESCRIPTION

Title Freeform micro-optical elements

Summary

This offer is from an Austrian research institute, providing services, to design ultrathin freeform micro-optical elements ($\leq 60 \mu\text{m}$) by optical simulation as well as the support of manufacturing the freeform micro-optical elements. The institute is searching for research and cooperation partners.

Description

Freeform micro-optical elements on foils provide an alternative to conventional optical elements, which benefit from their comparably low cost and weight. These optical elements can be used for beam-shaping and for the light management in a lot of applications, including luminaires for lighting, photovoltaics, sensorics... It allows the large-scale and accurate measurement of temperature and pressure changes in objectives and their environment.

The technology is based on ultrathin optical elements which can be fabricated cost-efficiently, e.g., by roll-to-roll fabrication.

In particular, the Austrian institute provides the possibility for an application specific design of the freeform micro-optical elements which allows the fabrication of freeform micro-optical elements which are tailored to the specific needs of a customer.

Advantages and Innovations

Freeform micro-optical elements provide a cost- and weight-efficient technology in comparison with conventional optics.

Current Stage of Development*

- | | |
|--|--|
| <input checked="" type="checkbox"/> Under development /laboratory tested | <input type="checkbox"/> Field tested / evaluated |
| <input checked="" type="checkbox"/> Available for demonstration | <input type="checkbox"/> Prototype available for demonstration |
| <input type="checkbox"/> Already on the market | <input type="checkbox"/> Concept stage |

Comments Regarding Stage of Development:

Intellectual Property Rights Status*:

- | | |
|--|--|
| <input type="checkbox"/> Patent(s) applied for but not yet granted | <input checked="" type="checkbox"/> Secret know-how |
| <input type="checkbox"/> Granted patents | <input type="checkbox"/> Exclusive rights |
| <input type="checkbox"/> Copyright | <input type="checkbox"/> Trade Marks |
| <input type="checkbox"/> Design rights | <input type="checkbox"/> Others (registered design, plant variety, etc.) |

Comments Regarding IPR Status: (e.g. countries for which protection has been granted or applied for)

Patent filing in preparation

Preferred Countries for Dissemination: Europe

DETAILS OF YOUR OWN ORGANISATION/COMPANY



Type* Industry R&D Institution University Private Inventor

Other: please specify

Comments:

Organisation/Company Size* (please tick one box) < 10 employees 11-50 employees

51-250 employees 251-500 employees > 500 employees

Year Established: 1986

Turnover (only for business profiles): < 1 mio 1 – 10 mio

10 – 20 mio 20 – 50 mio 50 - 100 mio

Already Engaged in Trans-National Cooperation Yes No

Experience Comments:

Certification Standards:

Languages Spoken: German, English

COLLABORATION DETAILS

Type of partnership considered:

Technology Offers

Commercial Agreement with technical assistance (an agreement arranging the acquisition of a product/technology paired with the provision of a number of services in support of a transfer of technology)

Joint Venture Agreement

License Agreement

Technical co-operation agreement

Research co-operation agreement

Business Offers

Distribution services agreement

Acquisition agreement

Franchise agency agreement

Manufacturing agreement

Outsourcing agreement

Subcontracting

Financial agreement

Services Agreement

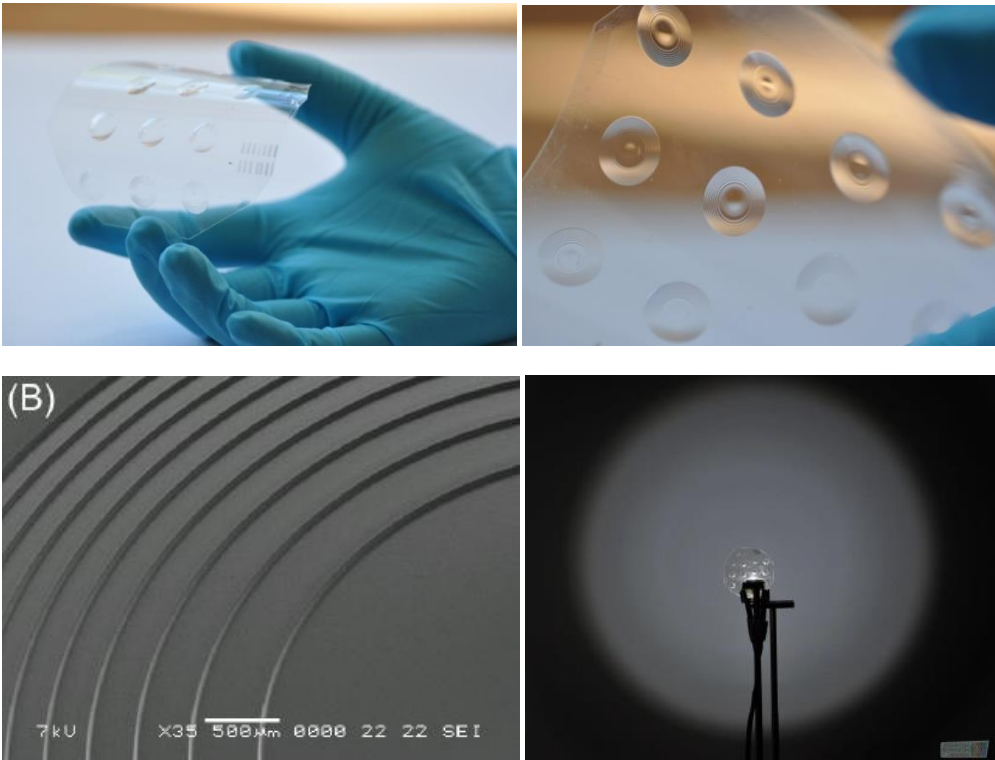


Type and Role of Partner Sought*:

- Type of partner sought (such as industry, academy, research organisation):
Research Organisation, Industry, Company
- Specific area of activity of the partner (example: manufacturer/distributor/user/disposal of plastic packages etc.)
- Tasks to be performed by the partner sought: What expertise/ tasks do you expect from the partner?

Size and Type of Partner Sought (e.g. industry, research):

Additional information (pictures)



CONTACT

Please contact the RespiceSME coordinator Samantha Michaux for the contact data of the company.

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