Technology Offer

Specialist platform system for slating, tiling and other roofing applications

Summary

An Irish company with a background in roofing and construction has developed a lightweight platform system and equipment that allows workers on roofs to work safely, in a seated position, with increased speed and safety. This is a novel, versatile system that is designed to address all of the issues and difficulties associated with working on roof installations. They seek industrial partners to form license agreements, commercial agreements with technical assistance and financial agreements.

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Reference	TOIE20160428001
Profile link	

Details

Description

Working on pitched roofs has always been a physically demanding occupation involving long periods kneeling in awkward positions and wet conditions. Also the working environment in question is inherently dangerous due to the risk of falls and this danger is often compounded by issues associated with moving building materials such as slates, tiles and other building materials across the surface of the roof.

An Irish company with many years of experience in the roofing and construction industry have developed and patented a complete access system that addresses the difficulties of this particular working environment.

This system allows workers to fix slates and tiles while in a seated position. It facilitates ease and speed of movement for both the worker and work materials over the roof area.

This system would suit any situation where work needs to be carried out on a roof, other than the slating and tiling operations. This increasingly involves operations such as fixing of solar panels and other alternative energy systems.

The company are manufacturing the system and it is available for demonstration. They are however interested in manufacture under license agreements with suitable companies.

They are also seeking suitable partners who can assist them both commercially and financially, so their product can access new markets and territories.

Advantages and Innovations

The advantages over current practices include;
- Increased safety for operative while working
- Improved working position and comfort
- Increased speed of operation
- Increased ease of movement of equipment and materials over the roof area
- Possibly a reduction in personnel required to complete a given job

Stage of Development

Already on the market

Comments Regarding Stage of Development

The system is fully developed, in production and available for demonstration to interested parties. While it has predominantly been developed with a slating operations in mind, the fundamental system is applicable or adaptable to any roofing operation from the initial roof installation to the retrofitting of solar panels or other devices.

The company believes the system is adaptable to the majority of operations carried out on roofs.

IPR Status

Patents granted

Comment Regarding IPR status

The company has patents granted in New Zealand and South Africa. Patent pending in Australia and a patent that is in the process of being granted in Europe.

Profile Origin

Other

Keywords

Technology

02002009	Machine Tools
02006002	Construction methods and equipment
02006003	Fire Resistance/Safety
02006004	Installations related to construction (energy, lighting, …)
02007002	Building materials

Market

08003007	Other industrial equipment and machinery
09007001	Construction companies
09007003	Distribution of building products and systems

NACE

F.43.9.1	Roofing activities

Open for EOI : Yes

Dissemination

Send to Sector Group

Sustainable Construction

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Experience Comments

The company designed this equipment based on their years of experience in the roofing trades and a first- hand experience of the issues involved.

Languages Spoken

English

Client Country

Ireland

Partner Sought

Type and Role of Partner Sought

This system would be of interest to an end user who would be required to carry out installation work on a pitched roof.

Potential partners for this technology offer would be
companies currently supplying equipment or products to the roofing market. Also companies producing access equipment, ladders, scaffold etc who are interested in a new product range and engineering companies trying to diversify into new areas.

Ideally, but not necessarily, the partner would have an established route to market for a product of this type. The company offering this technology are currently manufacturing and supplying to their local market but recognise that their product has a wider market appeal and potential in

many installation applications.

With this in mind they are interested in the following mutually beneficial partnering arrangement (license, commercial, financial agreement) with suitable partner companies who can assist them in commercialising their product and targeting other markets and territories.

Type of Partnership Considered

License agreement
Financial agreement
Commercial agreement with technical assistance