

German naval architect offers patented new awning design for high windspeeds

Summary

Profile type	Company's country	POD reference
Technology offer	Germany	TODE20230417003
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance Investment agreement	• World
Contact Person	Term of validity	Last update
Rita Elste - Tomsone	17 Apr 2023 16 Apr 2024	17 Apr 2023

General Information

Short summary

The developed shading system is a constructive novelty, which cannot be compared with conventional folding arm awnings. It offers the undisturbed comfort of an awning in winds of up to 8 BFT (62 km/h). The company is interested in a cooperation with a manufacturer of shading solutions and/or maritime equipment in order to contribute technical expertise and know-how in the form of a license agreement for the joint production of the aforementioned awning as a series or individual product.

Full description

A small German company providing design and consulting services in the ship and yacht building sector, has specialized in naval architecture, primarily of deck equipment.

The shading system developed and patented by the company is suitable for use under large wind loads. Even in very moderate wind conditions (3 BFT), the well-known folding arm awnings tend to bulge and flutter.

This is very quickly perceived by the user as annoying and unpleasant, which is why the awning is retracted and the shading is dispensed with.

The developed shading system is a constructive novelty, which cannot be compared with conventional folding arm awnings. It offers the undisturbed comfort of an awning in winds of up to 8 BFT (62 km/h). In the anticipated environment of boats, yachts and larger vessels like cruise ships, frequent and gusty winds are to be expected, for which the awning is very well suited. Likewise, it is a sensible choice for objects on land, in exposed locations, on the coast, in mountainous terrain or on roof terraces on tall buildings.

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order to contribute technical expertise and know-how in the form of a license agreement for the joint production of the aforementioned awning as a series or individual product.

Advantages and innovations

The developed shading system is a constructive novelty, which improves the well-known problem of bulging and fluttering you see especially in folding arm awnings even at moderate windspeeds up to 3 BFT. The design can easily be adapted to different installation situations: from boats to yachts and even to larger vessels like river or seagoing cruise ships.

Technical specification or expertise sought

Stage of development

Available for demonstration

IPR Status

IPR granted

Sustainable Development goals

- **Goal 11: Sustainable Cities and Communities**
- **Goal 17: Partnerships to achieve the Goal**
- **Goal 3: Good Health and Well-being**
- **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

The future partner should have the manufacturing capacity to produce the offered technology under license and market the product through their distribution channels.

By manufacturing capacity it is meant that the partner provides skilled personnel knowledgeable in metal works as well as the appropriate technical equipment to produce high quality products for a high-end market.

Alternatively the future partner invests in the patented technology and together with the seeking SME, a third partner with the above mentioned qualities is found.

Type of partnership

Commercial agreement with technical assistance

Investment agreement

Type and size of the partner

• **Big company**

• **SME 50 - 249**

Dissemination

Technology keywords

- **02002005 - Forming (rolling, forging, pressing, drawing)**
- **02002010 - Machining (turning, drilling, moulding, planing, cutting)**
- **02002011 - Machining, fine (grinding, lapping)**
- **02002002 - Coatings**

Targeted countries

- **World**

Market keywords

- **07004008 - Other consumer products**
- **07001007 - Other leisure and recreational products and services**
- **09007005 - Facility management companies**

Sector groups involved