



Specialised high performance, thermo regulating textiles for sports apparel and other garment applications (10 GB 42O1 3HC6)



Abstract

A Yorkshire based UK SME designs and manufacturers specialised, high performance, thermo regulating textiles for sports apparel and other garment applications. The products can be described as providing the wearer new levels of comfort and warmth, with fabrics that have been engineered to achieve this using smart fibres, and microscopic chemicals, filaments and fibres. The SME seeks to expand its business into Europe through joint ventures and commercial relations with technical assistance.

Description

A Yorkshire based UK SME designs and manufacturers specialised, high performance, and thermo regulating textiles for sports outerwear, countrywear apparel and is suitable for a range of other garment applications.

The products can be described as providing the wearer new levels of comfort and warmth, with fabrics that have been engineered to achieve this using smart fibres, and microscopic chemicals, filaments and fibres.

The technology and know-how enable a quilted fabric to be manufactured with accurately aligned embroidered graphics, to be incorporated such as a company logo. Ideally suited to high-performance, branded clothing.

The fabrics are treated with a microscopic finish that repels moisture and soiling, yet allows the fabric to breathe.

Innovations and advantages of the offer

The SME manages collaborative research and development activities with manufacturers and suppliers of fabrics and fabric coatings and treatments. The SME provides technical expertise and product development services. The company is

seeking partners to assist develop the range of applications for thermo regulating textiles. The advantage of the technology is based on phase change material at a micro level embedded into cellulosic fibres. The fabric can absorb excess heat and dispense it later when the environment is colder. Thus temperature regulation is assured by providing the wearer with extraordinary comfort. The company is seeking manufacturers and distributors connected or specialised to skiwear, sportswear and countrywear.

Current and Potential Domain of Application

Skiwear, uniforms, performance and promotional clothing.

Valid until: 11/04/2012

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