Fiber Reinforced Paint SG-2000

00-02-001-05

High-Functional Reinforcing Paint

SG, Ltd. has developed a high-functional reinforcing paint SG-2000 (patent pending) consisting of an elastic waterproof paint mixed with fiberglass. This paint features a coating of excellent adhesivity and great tensile strength. The paint adhesivity to concrete is over 1t/10cm^2, or excellent characteristics providing an enormous strength comparable to that of tightly adhered iron plates, so paint, but when the concrete has already been damaged to some extent, a full-scale correction method will be necessary. For example, in the event there is the hazard of frequent surface peeling and fallout, the damaged parts will have to be removed and recoated with mortar, or the cracked parts filled with a waterproof adhesive agent. Up till now, much time, labor and cost was expended for such repairs, and even at that, there was no guarantee that crack- and application width of 10cm, or displayed excellent properties.

The company also developed special-purpose peripheral painting equipment, through which the painting term and painting cost are both decreased to less than one-third compared with conventional painting methods. A can containing 15kl of the paint is sold at a domestic price of about ¥45,000, which is usable for painting an area of 20m^2 with a coating about 1mm thick. A full set of ancillary painting equipment is marketed at a price of about ¥1,500,000.

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Hoisting experiment of light automobile using SG-2000

BBC放送が取材

沼津の「エスジー」開発の高機能塗料 あまりの強度に驚き

日本の新技術 英国で放送へ

英BBC放送の人間学「ックがこれ」沼津市小 社長も訪れ、開発と技術の進歩を待る高機能塗料 番組「明日の世界」のスタ 験好のエスジー（鈴木克夫 の功績に注目 ッフ一行が来日 ターさんが改造船と 発した、配線塗は一般 を行った。配線塗は一般 社とともに村瀬組（三 塗料が農業ら開発したの かな月、ソニーなど他の五 にSG-2000開発 テクノロジージャパン 主導、本年動しとなり で放送される。 ともなかった。 開発した新塗料「SG-2000」は、ウラ強度を 英国では農業塗料はない 分散保ゆること で強度を が、古い建物のレンガ壁や 飛躍的に強度がアップ ドームの天井からわれな 上げたせるこ とが出来れば、「ボ ボ」の 低下を落とる事 防止 社会問 題化している。プロ デューサーのフィオナ・キャンベルさんは「強度に驚いた。英国人も変わりつ つある」と思う。この感想を述べ 鈴木社長は「日の明で 強度を期待できた。塗装部 覚で塗ることができるため これから広くPRしていきたい」と話した。

USA Patent

The United States of America

The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

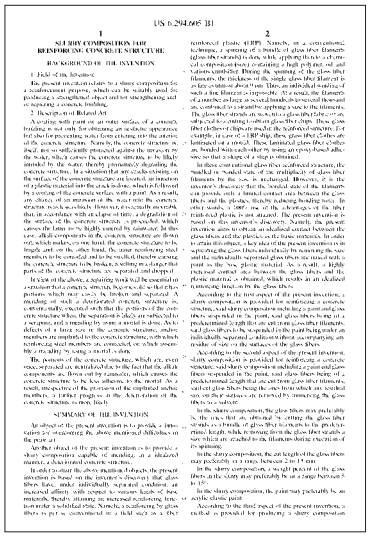
Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

Nicholas P. Godici

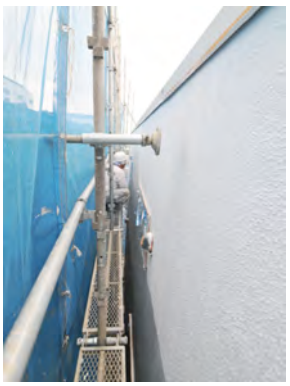
Acting Director of the United States Patent and Trademark Office



US 6,294,605 B1 etc.

Mr.Numada House Example of Coating with SG-2000

After working



Currently working

SG, Ltd.