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(54) Title: COATING ON A STONE OR CERAMIC SUBSTRATE AND A COATED STONE OR CERAMIC PRODUCT

(57) Abstract: The invention relates in general level to a method for coating stone or ceramic products comprising large surface areas. The invention also relates to coated stone or ceramic products manufactured by the method. The coating is carried out by employing ultra short pulsed laser deposition wherein pulsed laser beam is scanned with a rotating optical scanner comprising at least one mirror for reflecting said laser beam. The invention has several both industrially and qualitatively advantageous effects such as high coating production rate, low vacuum conditions accomplishing coating of said stone or ceramic products, excellent coating properties and overall low manufacturing costs.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC) or to both national classification and IPC

INV. B23K26/06 C23C14/28

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database consulted during the international search (name of database and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Further documents are listed in the continuation of Box C

See patent family annex

September 2005

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Date of mailing of the International search report

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Name and mailing address of the ISA

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Concannon, Brian

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