UK Patent Application (19)GB (11)2481562

(43) Date of Reproduction by UK Office

28.12.2011

1118538.6 (21) Application No:

(22) Date of Filing: 15.04.2010

Date Lodged: 26.10.2011

(30) Priority Data:

(31) 61/169530 (32) 15.04.2009 (33) US (31) 61/236333 (33) **US** (32) 24.08.2009

(86) International Application Data: PCT/US2010/031219 En 15.04.2010

(87) International Application Data: WO2010/121016 En 21.10.2010

(71) Applicant(s):

Octi-Tech Limited,LLC (Incorporated in USA - South Carolina) 2233 Highway 17N, Mount Pleasant 29466, South Carolina, United States of America

(72) Inventor(s):

Paul Hirst

(74) Agent and/or Address for Service:

Harrison Goddard Foote Fountain Precinct, Balm Green, SHEFFIELD, S1 2JA, **United Kingdom**

(51) INT CL:

B32B 3/30 (2006.01) B32B 7/02 (2006.01) B32B 18/00 (2006.01)

(56) Documents Cited by ISA:

EP 0926547 A1 JP 080150680 A JP 2001213073 A KR 200537502 A US 20030092571 A1

(58) Field of Search by ISA: INT CL B32B, B41M, B42B, G03G, H01L

- (54) Title of the Invention: Ceramic article imaging process and materials Abstract Title: Ceramic article imaging process and materials
- (57) A ceramic substrate has a robust and irregular hard surface. The ceramic substrate is imaged, with the image layer occupying lower areas or valleys. Higher areas or peaks valleys protect the image from mechanical forces to which the ceramic article is subjected after installation. A glaze may be applied over the ceramic substrate, with the glaze providing peaks and valleys, with the image layer in the valleys. The glaze may impart hardness for protecting the image layer from mechanical forces.

