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Buthe et al.

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(54) **LIPASE-CONTAINING POLYMERIC COATINGS FOR THE FACILITATED REMOVAL OF FINGERPRINTS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 262 days.

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(51) **Int. Cl.**
C12N 9/00 (2006.01)
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C12N 15/00 (2006.01)
D06M 16/00 (2006.01)
C07H 21/04 (2006.01)

(52) **U.S. Cl.** **435/198**; 435/183; 435/252.3; 435/320.1; 536/23.2

(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

A substrate or coating is provided that includes a lipase with enzymatic activity toward a component of a fingerprint. Also provided is a process for facilitating the removal of fingerprints is provided wherein an inventive substrate or coating including a lipase is capable of enzymatically degrading of one or more components of the fingerprint to facilitate fingerprint removal from the substrate or said coating. Applying heat to the substrate or coating increases the rate of fingerprint removal.

11 Claims, 4 Drawing Sheets

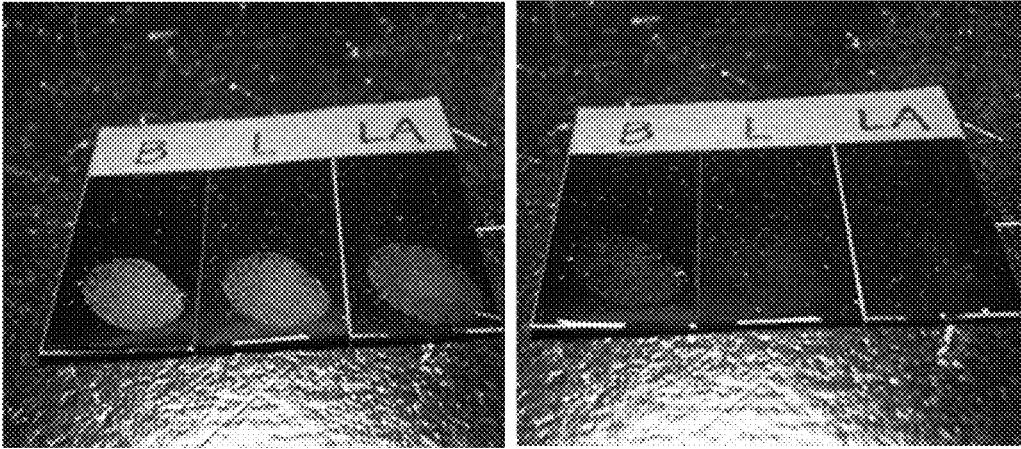


FIG. 1

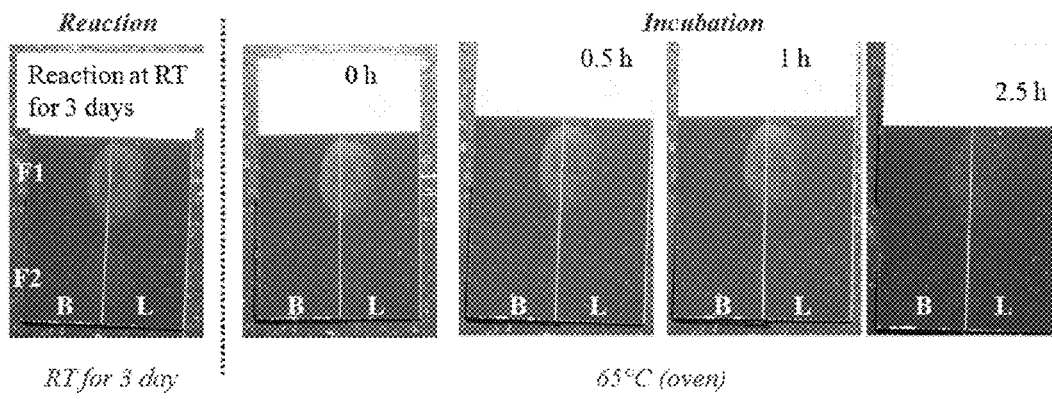


FIG. 2

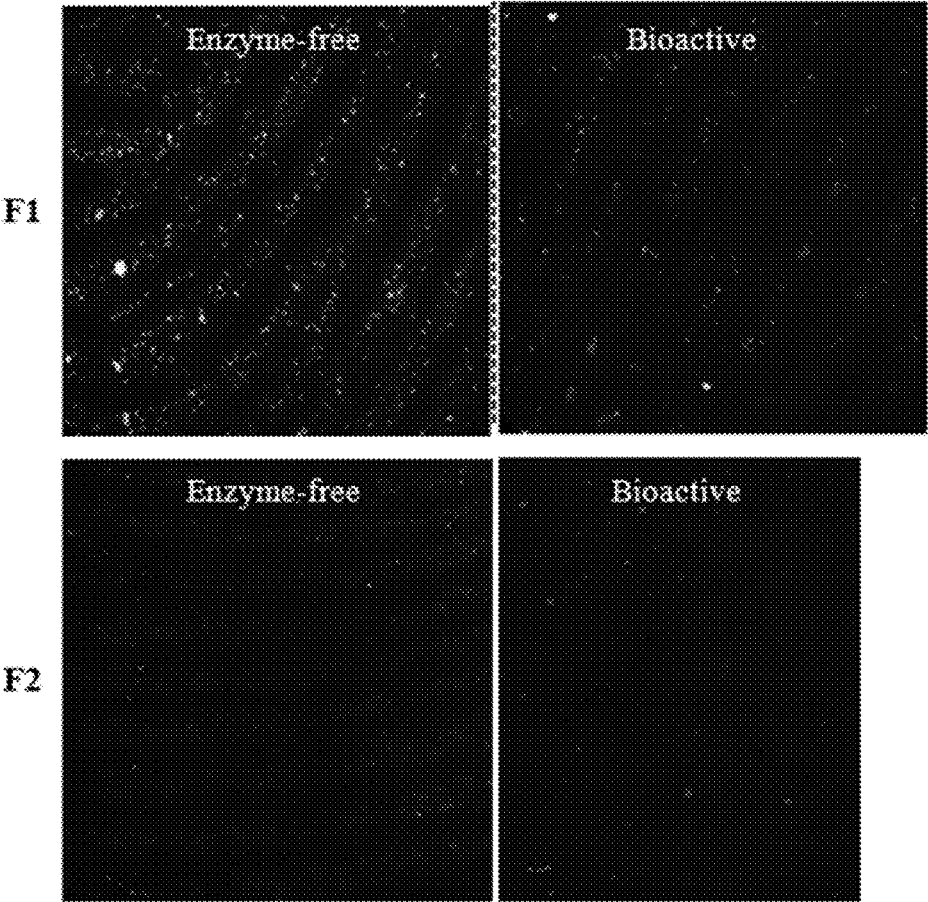


FIG. 3

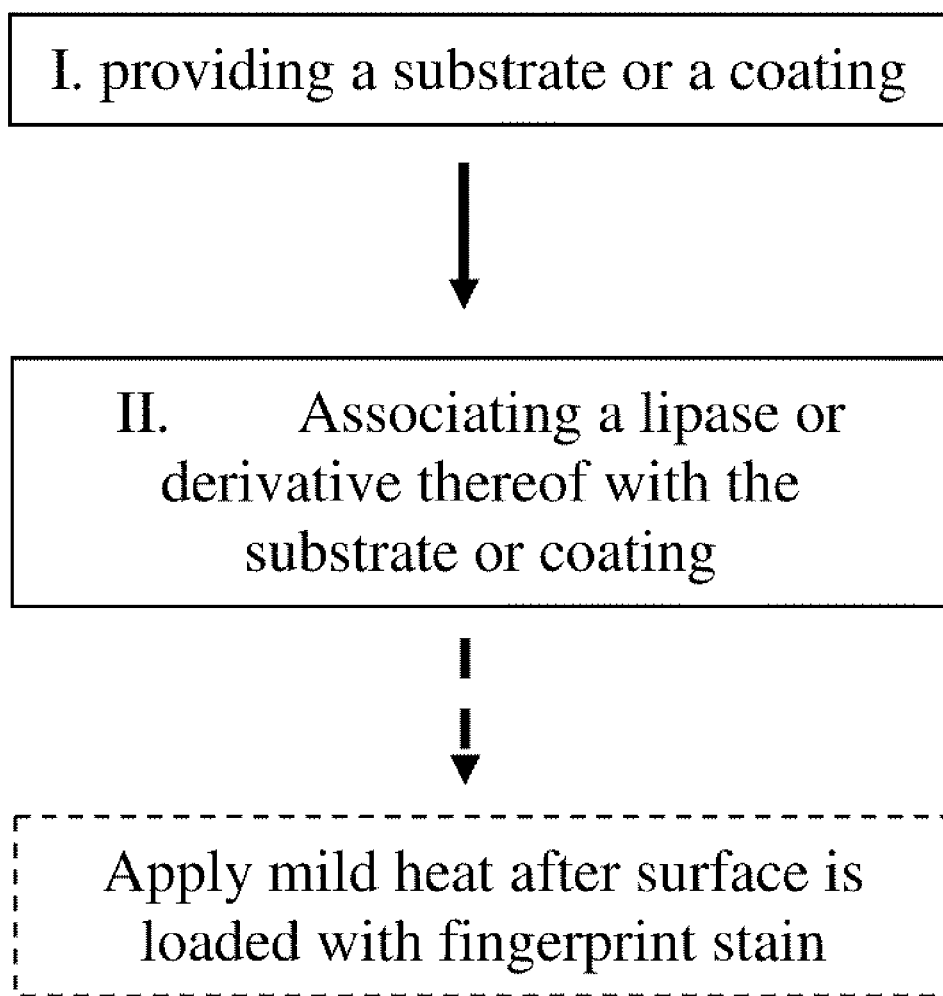


FIG. 4

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