

Title (en)
ENZYME TREATMENT OF POLYAMIDE OBJECTS FOR METALLIZATION PURPOSES

Title (de)
ENZYMBEHANDLUNG VON POLYAMIDOBJEKTEN ZU METALLISIERUNGSZWECKEN

Title (fr)
TRAITEMENT ENZYMATIQUE D'OBJETS EN POLYAMIDE À DES FINS DE MÉTALLISATION

Publication
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Application
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Abstract (en)
[origin: EP3144414A1] The present invention provides a process for pretreating a polyamide surface in preparation of metallization, the process comprising the steps: (a) providing an object having a polyamide surface; (b) treating the polyamide surface with a protease; and (c) removing the protease from the treated polyamide surface, thus providing an object having a protease treated polyamide surface. The subsequent metallization is preferably a copper metallization using a palladium catalyst (in particular a Pd/Sn activator).

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Citation (examination)

- EP 1942207 A1 20080709 - ATOTECH DEUTSCHLAND GMBH [DE]
- US 4298424 A 19811103 - TERADA SACHIO, et al
- AH REUM SONG ET AL: "Effectiveness of flavourzyme treatment on polyamide fabric", FIBERS AND POLYMERS, vol. 14, no. 12, 1 December 2013 (2013-12-01), KR, pages 2212 - 2220, XP055473953, ISSN: 1229-9197, DOI: 10.1007/s12221-013-2212-y
- MICHAEL MERZ ET AL: "Flavourzyme, an Enzyme Preparation with Industrial Relevance: Automated Nine-Step Purification and Partial Characterization of Eight Enzymes", JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 63, no. 23, 17 June 2015 (2015-06-17), US, pages 5682 - 5693, XP055236799, ISSN: 0021-8561, DOI: 10.1021/acs.jafc.5b01665

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