

Title (en)
METHOD FOR HIGH FASTNESS DYEING OF FIBROUS YARN EMPLOYING UV CURING

Title (de)
VERFAHREN ZUM SCHNELLEN FÄRBen VON FASERIGEN GARN MIT UV-HÄRTUNG

Title (fr)
PROCÉDÉ DE TEINTURE À HAUTE TENUE DE FIL FIBREUX UTILISANT UN SÉCHAGE AUX UV

Publication
EP 3196352 A4 20180502 (EN)

Application
EP 15841183 A 20150915

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Abstract (en)
[origin: EP3196352A1] Disclosed herein is a method wherein the yarns ranging from a common fiber for the purpose of clothes to a hard-to-dye fiber are impregnated in a UV ray-cured coating liquid, thus forming a thin film coating layer and then curing a UV ray-cured coating liquid. As compared to a conventional thermosetting yarn coating method, the present invention is providing an environmentally friendly manufacturing method in the way that about 90% energy saving effect can be obtained, and waste water is not produced since a medium, for example, water, etc. is not used, and carbon dioxide is not emitted during combustion, and a washing process can be removed with the aid of a high conversion degree. Various functional substances may be distributed with a good adhering force, thus providing various performances.

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