

Title (en)

DIGITAL PRINTING STRUCTURED WEAR-RESISTANT FILM WITH ADJUSTABLE GLOSS

Title (de)

DIGITALDRUCKSTRUKTURIERTE VERSCHLEISSSCHUTZFOLIE MIT EINSTELLBAREM GLANZGRAD

Title (fr)

FILM DE PROTECTION CONTRE L'USURE STRUCTURÉ PAR IMPRESSION NUMÉRIQUE À DEGRÉ DE BRILLANCE RÉGLABLE

Publication

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Application

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Priority

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Abstract (en)

[origin: CA3154100A1] The present invention proposes a process for producing a structured antiwear film (10), comprising the process steps of: a. providing a base antiwear film (12), b. applying a formable outer paint layer (20) to at least part of the area of the base antiwear film (12), c. at least partially structuring the outer paint layer (20) by means of a digital printing process to create a structuring (26) of the outer paint layer (20), and d. curing the outer paint layer (20) such that the outer paint layer (20) is first partly cured, wherein UV radiation with a wavelength in a range from = 150 nm to = 250 nm is used for the partial curing, and wherein the outer paint layer (20) is then cured to completion, and wherein e. the outer paint layer (20), before being supplied to the printing unit (25) for partially structuring the outer paint layer (20) and/or during the printing operation for partially structuring the outer paint layer (20) in the printing unit (25), is treated with means for changing the electrostatic charge of the outer layer (20), in that the outer layer (20) is electrostatically discharged.

IPC 8 full level

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