

Title (en)  
PROCESS FOR PRODUCING A FRICTION-REDUCING COATING

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES GLEITBELAGS

Title (fr)  
PROCÉDÉ DE PRODUCTION D'UN REVÊTEMENT GLISSANT

Publication  
**EP 3071737 A1 20160928 (DE)**

Application  
**EP 14793776 A 20141001**

Priority  
• DE 102013223679 A 20131120  
• DE 2014200527 W 20141001

Abstract (en)  
[origin: WO2015074651A1] The invention relates to a process for producing a friction-reducing coating made of a yarn produced from a synthetic polymer matrix chemically bonded with a polyfluorinated hydrocarbon and of a hardenable resin matrix with at least the following process steps: the polyfluorinated hydrocarbon is activated by means of high-energy irradiation with formation of reactive functional groups, the activated polyfluorinated hydrocarbon is reacted chemically with the synthetic polymer component in a reactive extrusion process to give a substrate in the form of granules, filaments are produced from the substrate by means of a spinning process, a multiplicity of filaments are spun to give a yarn, a resin-saturated textile product is produced from the yarn and the resin matrix, and is hardened to give a semifinished product, and the friction-reducing coating is produced from the semifinished product by subsequent final shaping.

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CPC (source: EP US)  
**C08J 5/046** (2013.01 - EP); **C08J 5/24** (2013.01 - EP US); **C08L 27/18** (2013.01 - EP); **C08L 77/00** (2013.01 - EP); **C08L 79/08** (2013.01 - EP); **D01D 5/38** (2013.01 - EP); **D01F 6/48** (2013.01 - EP); **D01F 6/90** (2013.01 - EP); **F16C 33/201** (2013.01 - EP); **C08G 73/14** (2013.01 - EP); **C08J 2300/24** (2013.01 - EP); **C08J 2427/18** (2013.01 - EP); **C08J 2477/00** (2013.01 - EP); **C08J 2479/08** (2013.01 - EP); **D01D 5/06** (2013.01 - EP); **D01F 2/08** (2013.01 - EP); **F16C 2208/02** (2013.01 - EP); **F16C 2208/30** (2013.01 - EP)

Citation (search report)  
See references of WO 2015074651A1

Citation (examination)  
DE 102013223679 A1 20150521 - SCHAEFFLER TECHNOLOGIES AG [DE]

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DOCDB simple family (publication)  
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