

Title (en)
CONDUCTIVE FIBER SPINNING

Title (de)
SPINNEN VON LEITFÄHIGEN FASERN

Title (fr)
FILAGE DE FIBRES CONDUCTRICES

Publication
EP 3851563 C0 20240612 (EN)

Application
EP 20152431 A 20200117

Priority
EP 20152431 A 20200117

Abstract (en)
[origin: EP3851563A1] The present disclosure relates to a method for producing a conductive cellulosic fibre. The method comprises providing an ionic liquid comprising an anion and dissolving cellulose in the ionic liquid, thereby providing a solution of cellulose and ionic liquid. From this solution, a cellulosic fibre comprising the ionic liquid is formed. The method further comprises applying PEDOT:PSS to the surface of the cellulosic fibre comprising said ionic liquid and allowing substitution of the anion for PSS, thereby forming a coating on the cellulosic fibre, which coating comprises PEDOT. The present disclosure further relates to a conductive fibre.

IPC 8 full level
D01F 2/00 (2006.01); **D06M 15/356** (2006.01); **D06M 23/10** (2006.01)

CPC (source: EP)
D01F 2/00 (2013.01)

Cited by
CN115305589A; CN113756096A; CN115522279A; SE2250677A1; KR20240078190A

Designated contracting state (EPC)
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Participating member state (EPC – UP)
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