

Title (en)
HOT MELT ELECTROSPINNING

Title (de)
HEISSSCHMELZELEKTROSPINNEN

Title (fr)
FILAGE ÉLECTROSTATIQUE THERMOFUSIBLE

Publication
EP 3642402 B1 20211117 (EN)

Application
EP 18762130 A 20180622

Priority
• US 201762524119 P 20170623
• IB 2018000764 W 20180622

Abstract (en)
[origin: WO2018234863A2] Systems, devices, and methods for electro spinning are provided. For example, a system includes a collector including load sensors attached thereto, the collector configured to receive an extruded polymer; and an electro spinning melt head assembly positioned above the collector and configured to extrude the polymer. The electro spinning melt head assembly and/or the collector is configured to move. The melt head assembly includes a syringe assembly and at least one heating element configured to supply heat to the syringe assembly. The syringe assembly includes: a syringe including a passage extending from a proximal end, the passage configured to receive the polymer, and a nozzle configured to allow polymer to pass therethrough.

IPC 8 full level
D01D 5/00 (2006.01)

CPC (source: EP US)
D01D 5/0023 (2013.01 - EP US); **D01D 5/0076** (2013.01 - EP US); **D01D 5/084** (2013.01 - US)

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