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**Erskine**

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(54) **NEEDLE SHIELDING DEVICE**

A61M 25/0618; A61M 25/0625; A61M 25/0631; A61M 25/0693

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See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 338 days.

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(51) **Int. Cl.**

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(57) **ABSTRACT**

A needle-based medical device and method of manufacturing the same are disclosed. A needle device includes a hub having a longitudinal axis; a needle having a sharp distal tip; and a needle shield assembly associated with the needle and moveable from a non-shielding position to a shielding position. In the shielding position, the sharp distal tip is covered by at least part of the needle shield assembly. A bushing disposed about the needle, and a latch for engaging with the hub when the needle shield assembly is in the non-shielding position are further provided.

(52) **U.S. Cl.**

CPC ..... **A61B 17/3494** (2013.01); **A61M 25/0606** (2013.01); **A61M 25/0618** (2013.01); **A61M 5/3273** (2013.01); **A61M 2005/325** (2013.01)

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**19 Claims, 51 Drawing Sheets**

