

Title (en)
CURVED SUTURE NEEDLES HAVING A NON-SMOOTH PROFILE

Title (de)
GEKRÜMMTE NAHTNADELN MIT NICHTGLATTEM PROFIL

Title (fr)
AIGUILLES DE SUTURE INCURVÉES AYANT UN PROFIL NON LISSE

Publication
EP 4210594 A1 20230719 (EN)

Application
EP 21787159 A 20210910

Priority

- US 202063076920 P 20200910
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- US 2021049795 W 20210910

Abstract (en)
[origin: WO2022056216A1] A suturing needle having a substantially circular cross-section and a non-smooth profile, and methods of suturing with the needle using a rotational needle driver. The profile of the needle may include a plurality of indentations that form protruding ridges along a longitudinal length of the needle. These ridges may match grooves within rollers of the needle driver. The suture needle may further include a tapered transition portion extending from a proximal end of the needle to cover at least a portion of a suture thread transition portion on the needle. The tapered transition portion is flexible and provides a smooth transition from the suture thread diameter to the needle diameter, so that the rollers may engage the needle in one smooth motion.

IPC 8 full level
A61B 17/06 (2006.01)

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