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Ladet

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(54) **SURGICAL FASTENERS AND METHODS FOR SEALING WOUNDS**

(56) **References Cited**

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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 220 days.

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CPC *A61L 31/04* (2013.01); *A61B 17/064* (2013.01); *A61B 17/122* (2013.01); *A61L 31/08* (2013.01); *A61L 31/10* (2013.01); *A61B 2017/00884* (2013.01)

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USPC 606/213, 214, 151; 623/1.43, 1.46, 623/11.11; 424/135.1, 178.1, 400, 422, 424/423, 443, 487, 78.24

See application file for complete search history.

(57) **ABSTRACT**

A method for closing a wound in tissue is provided which includes providing a surgical fastener having a plurality of reactive members of a specific binding pair attached on a surface of the surgical fastener, and providing tissue with a plurality of complementary reactive members of the specific binding pair, wherein upon contact of the reactive members on the surface of the surgical fastener with the complimentary reactive members on the tissue, covalent bonds are formed between the reactive members and the complementary reactive members, thus adhering the device to the tissue.

20 Claims, 2 Drawing Sheets

