



1. (WO2012088575) SUTURE STAPLE

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Title
(EN) SUTURE STAPLE
(FR) AGRAFE DE SUTURE
(PT) GRAMPO DE SUTURA

Abstract: **(EN)**The present invention relates to a suture staple, particularly based on the shape of the mandible of the leaf-cutting soldier ant of the genus *Atta*. This device has been developed using bionic technology, which studies living systems in order to discover processes, techniques or principles that may be of assistance in the creation of designs. The suture staple is composed of a catch structure comprising at least one lever, a fastening structure provided with curved ends for holding the skin together, and with a cutting point, and a cover.

(FR)La présente invention concerne une agrafe de suture se basant notamment sur la mandibule de la fourmi soldat du genre *Atta*. Ce dispositif a été mis au point par la technique bionique qui étudie les systèmes vivants pour découvrir des processus, des techniques ou des principes susceptibles de fournir une aide dans la création de projets. L'agrafe de suture comprend une structure de préhension qui comporte au moins un levier, une structure de fixation dotée d'extrémités de rapprochement pour la peau, de forme incurvée et à pointe coupante, et un couvercle.

(PT)O presente invento refere-se a um grampo de sutura, particularmente baseado na mandíbula da formiga saúva soldado do gênero *Atta*. Tal dispositivo foi desenvolvido através da técnica biônica, que estuda os sistemas vivos para descobrir processos, técnicas ou princípios que possam ajudar na criação de projetos. O grampo de sutura é composto por uma estrutura de pega, que compreende pelo menos uma alavanca; uma estrutura de fixação, dotada de extremidades de aproximação da pele, em formato curvo, e com ponta cortante; e uma tampa.

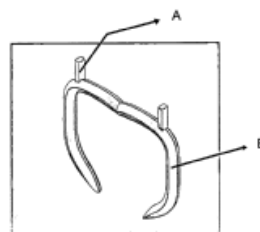


Figura 1

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