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(54) **Endoscopic stapling device**

(57) Described herein is a stapling device and method used to apply one or more fasteners to body tissue. In one embodiment, a fastener-applying device, which is preferably a stapler, is passed transorally into the stomach and used to plicate stomach tissue by engaging tissue from inside of the stomach and drawing it inwardly. In the disclosed embodiments, the tissue is drawn inwardly into a vacuum chamber, causing sections of serosal tissue on the exterior of the stomach to be positioned facing one another. The disclosed staplers allow the opposed sections of tissue to be moved into contact with one another, and preferably deliver staples for maintaining contact between the tissue sections at least until serosal bonds form between them. Each of these steps may be performed wholly from the inside of the stomach and thus can eliminate the need for any surgical or laparoscopic intervention. After one or more plications are formed, medical devices may optionally be coupled to the plication(s) for retention within the stomach.

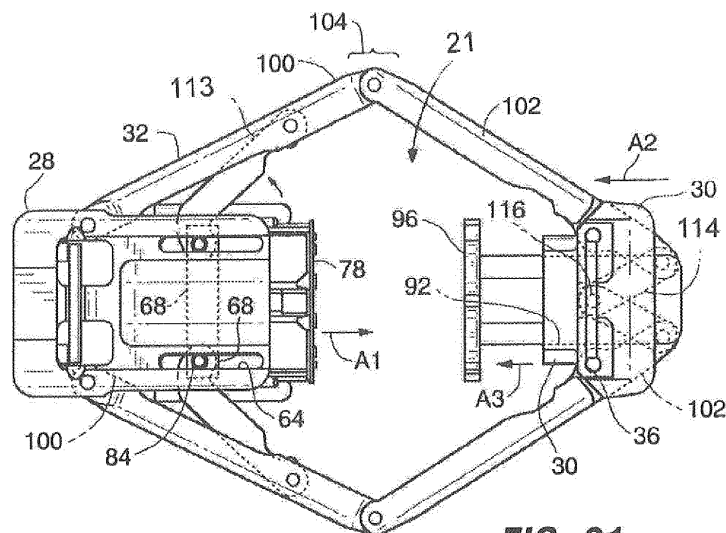


FIG. 21

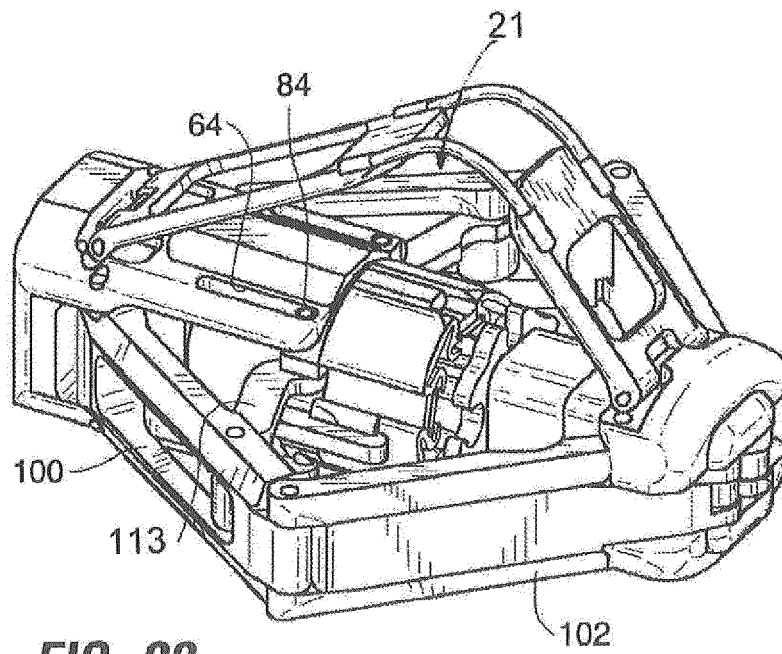


FIG. 22



EUROPEAN SEARCH REPORT

Application Number
EP 12 15 6139

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			TECHNICAL FIELDS SEARCHED (IPC)
			A61B A61F A62B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 July 2017	Examiner Horrix, Doerte
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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专利名称(译)	内窥镜缝合器		
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优先权	12/050169 2008-03-18 US		
其他公开文献	EP2478849A2		
外部链接	Espacenet		

摘要(译)

本文描述了用于将一个或多个紧固件施加到身体组织的吻合装置和方法。在一个实施例中，紧固件施加装置（优选地是订书机）经口部通入胃中并用于通过从胃内部接合组织并将其向内拉入而使胃组织复位。在所公开的实施例中，组织被向内抽入真空室，使得胃外部的浆膜组织的部分彼此面对地定位。所公开的订书机允许组织的相对部分移动成彼此接触，并且优选地递送钉以维持组织部分之间的接触，至少直到在它们之间形成浆膜结合。这些步骤中的每一个可以完全从胃内部进行，因此可以消除对任何手术或腹腔镜介入的需要。在形成一个或多个褶皱之后，可任选地将医疗装置连接到褶皱以保留在胃内。

