

Title (en)
IMPROVED STAPLES

Title (de)
VERBESSERTE HEFTKLAMMERN

Title (fr)
AGRAFES AMELIOREES

Publication
EP 0689400 A4 19960828 (EN)

Application
EP 94910801 A 19940301

Priority

- US 9402227 W 19940301
- US 2450193 A 19930302
- US 16639293 A 19931123

Abstract (en)
[origin: WO9420030A1] A method and apparatus is provided for performing a stapling operation wherein uniform compression of stapled tissue is achieved. A staple (300) having two leg portions (302) and a crown (301) is used to staple tissue together. The staple legs comprise deformation zones (305) where the staple legs will bend during the stapling of tissue. The zones are located such that when deformed, the staple (300) forms a rectangular shape with rounded corners.

IPC 1-7
A61B 17/064

IPC 8 full level
A61B 17/064 (2006.01); **A61B 17/10** (2006.01)

CPC (source: EP)
A61B 17/0644 (2013.01)

Citation (search report)

- [A] EP 0050554 A1 19820428 - UNITED STATES SURGICAL CORP [US]
- [A] US 4607638 A 19860826 - CRAINICH LAWRENCE [US]
- [A] US 4166571 A 19790904 - NIEDECKER HERBERT [DE]
- [A] US 4531522 A 19850730 - BEDI JAMES J [US], et al
- See references of WO 9420030A1

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
WO 9420030 A1 19940915; AU 6356894 A 19940926; AU 704533 B2 19990429; BR 9405840 A 20000418; CA 2155750 A1 19940915; CA 2155750 C 19980818; EP 0689400 A1 19960103; EP 0689400 A4 19960828; JP 2672713 B2 19971105; JP H08507708 A 19960820

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US 9402227 W 19940301; AU 6356894 A 19940301; BR 9405840 A 19940301; CA 2155750 A 19940301; EP 94910801 A 19940301; JP 52012094 A 19940301