

Title (en)
SURGICAL CUTTER STAPLER.

Title (de)
CHIRURGISCHES HEFT- UND SCHNEIDGERÄT.

Title (fr)
AGRAFEUSE-COUPPEUSE CHIRURGICALE.

Publication
EP 0043837 A4 19830315 (EN)

Application
EP 81900401 A 19810115

Priority
US 11294580 A 19800117

Abstract (en)
[origin: WO8101958A1] A surgical stapler accomplishes end-to-end anastomoses of tubular tissue by clamping and everting the tissue ends respectively in a pair of clamp actuators (20a) and (20b) that are interconnected to bring the everted tissue ends into juxtaposed registry. A four part disposable staple cartridge (30) formed as two mating pairs of elements includes staples (35) and staple folding pads (36) formed in curves that fit around the everted ends of the tissue. Each part of clamp actuators (20) has double jaws (24 and 25) that respectively clamp the tissue and hold the staple cartridge elements (30). Pins (40) on the cartridge elements hold the everted ends of the tissue, and curved knives (34) arranged between the pins and the staple array trim away excess tissue. Actuator wedges (37) disposed in the staple holding elements are moved by actuator pliers (22) to drive the staples and knives to secure the staple array in place and him off the tissue around the staple array.

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A61B 17/32

IPC 8 full level
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US 8100054 W 19810115; BE 205108 A 19810616; BR 8106033 A 19810115; DK 412481 A 19810916; EP 81900401 A 19810115; JP 50066581 A 19810115; NO 813160 A 19810916