

Title (en)

BIPOLAR ENDOSCOPIC SURGICAL SCISSOR BLADES AND INSTRUMENT INCORPORATING THE SAME

Title (de)

BIPOLARE, ENDOSKOPISCHE SCHERENKLINGEN, UND INSTRUMENT MIT SOLCHEN KLINGEN

Title (fr)

LAMES DE CISEAUX CHIRURGICAUX ENDOSCOPIQUES BIPOLAIRES ET INSTRUMENT CHIRURGICAL POURVU DE TELLES LAMES

Publication

EP 0843537 A1 19980527 (EN)

Application

EP 96924481 A 19960626

Priority

- US 9611657 W 19960626
- US 49522495 A 19950627

Abstract (en)

[origin: WO9701305A1] A bipolar endoscopic scissors (10) is provided with scissor blades (26, 128) where at least one scissor blade is coated with an electrically nonconductive ceramic from its cutting edge along at least a contiguous portion of its shearing surface. The coated blade is provided with a cutting edge having an obtuse included angle which is preferably between approximately 95 degrees to 140 degrees, and more preferably between 110 degrees and 120 degrees. The blades according to the invention may be configured in several different ways with regard to the number of layers and types of material used, the extent of the ceramic coating, and whether one or both blades are configured in an identical manner. The blades, according to the invention having cutting edges defined by obtuse angles, cut well and provide a good cutting feel to the practitioner, while preventing the ceramic coating from chipping at the cutting edge.

IPC 1-7

A61B 17/36

IPC 8 full level

A61B 18/12 (2006.01); **A61B 18/14** (2006.01)

CPC (source: EP)

A61B 18/1445 (2013.01); **A61B 18/1815** (2013.01); **A61B 2017/0088** (2013.01); **A61B 2018/00083** (2013.01); **A61B 2018/00107** (2013.01); **A61B 2018/126** (2013.01); **A61B 2018/1412** (2013.01)

Citation (search report)

See references of WO 9701305A1

Designated contracting state (EPC)

BE DE FR GB IE NL

DOCDB simple family (publication)

WO 9701305 A1 19970116; CA 2225946 A1 19970116; EP 0843537 A1 19980527; JP 3754079 B2 20060308; JP H11508462 A 19990727

DOCDB simple family (application)

US 9611657 W 19960626; CA 2225946 A 19960626; EP 96924481 A 19960626; JP 50462497 A 19960626