

Title (en)
SELF-REINFORCED SURGICAL MATERIALS AND DEVICES.

Title (de)
SELBST VERSTÄRKT CHIRURGISCHE MATERIALIEN UND ANORDNUNGEN.

Title (fr)
MATERIAUX CHIRURGICAUX AUTORENFORCES ET DISPOSITIFS CORRESPONDANTS.

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Abstract (en)
[origin: WO9012550A1] This invention describes self-reinforced, absorbable surgical materials and/or implants and/or their parts and/or components, which can be implanted into the living tissue or on its surface for the purpose of e.g. to repair tissue damages, to join tissues or their parts to each other, to augment tissues or their parts, to separate tissues or their parts from each other and/or from their surroundings, and/or to conduct material between tissues or their parts and/or out of tissues or from the outside into the tissues, for which self-reinforced materials and/or implants or their parts and/or components is characteristic that their reinforcing elements are wound at least partially around some axis penetrating the implant. These implants have better and more isotropic strength properties than the known self-reinforced implants.

Abstract (fr)
Matériaux chirurgicaux absorbables autorenforcés et/ou implants et/ou parties et/ou éléments d'implants, qui peuvent être implantés dans des tissus vivants ou sur la surface de ces tissus pour, par exemple, réparer des tissus endommagés, pour joindre des tissus ou des parties de tissus entre elles, pour accroître des tissus ou parties de tissus, pour séparer des tissus ou parties de tissus les uns des autres ou de leur milieu environnant, et/ou pour insérer des matières entre des tissus ou parties de tissus et/ou les en extraire ou les y introduire. Les éléments de renforcement de ces matériaux autorenforcés et/ou implants ou parties et/ou éléments sont enroulés au moins en partie autour d'un axe qui pénètre dans l'implant. Ces implants présentent des propriétés de résistance supérieures et plus isotropes que ceux de l'état antérieur de l'art.

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