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Patent Matches with C:\Patents\USPTOShearsExample.txt

Rank	Grant Date	Patent	IPC	USC	Assignee	Title
18	120522	8182501	A61B 17/32	606169	"Ethicon Endo-Surgery, Inc.."	"Ultrasonic surgical shears and method for sealing a blood vessel using same."
17	130611	8460326	A61B 17/32	606169	"Ethicon Endo-Surgery, Inc.."	"Ultrasonic surgical shears and method for sealing a blood vessel using same."
17	151027	9168055	A61B 17/32	606169	"Ethicon Endo-Surgery, Inc.."	"Ultrasonic surgical shears and method for sealing a blood vessel using same."
12	130305	8388638	A61B 17/32	606169	"Ethicon Endo-Surgery, Inc.."	"Ultrasonic surgical instrument, shears and tissue pad, method for sealing a blood vessel and method for transecting patient tissue."
8	130521	8444663	A61B 17/32	606169	"Ethicon Endo-Surgery, inc.."	"Ultrasonic surgical shears and tissue pad for same."
5	121211	8328834	A61B 17/32	606169	"Ethicon Endo-Surgery, Inc.."	"Ultrasonic device for cutting and coagulating."
5	140909	8827995	A61B 18/14	606 51	"Erbe Elektromedizin GmbH."	"Surgical instrument for sealing blood vessels."
4	121211	8328802	A61B 18/18	606 45	"Covidien AG."	"Cordless medical cauterization and cutting device."
4	130219	8377059	A61B 18/18	606 45	"Covidien AG."	"Cordless medical cauterization and cutting device."

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- 8460326
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- 8827995
- 8328802
- 8377059
- 8382782
- 8491581
- 8535341
- 8546996
- 8613742
- 8715306

Patent citations for 8460326

- US-5322055
- US-5776130
- US-5947984
- US-6024750
- US-6063050
- US-6187003
- US-6254623
- US-6325811
- US-6352532
- US-H2037
- US-6458142
- US-6669690
- US-7156846
- US-2002/0026184
- US-2002/0120306

Sentence Similarity %

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P3 [M3] Applicant invented <b>ultrasonic surgical shears</b> 30 for cutting and <b>sealing blood vessels</b> during surgery.	M3 {P3} <b>Ultrasonic surgical shears</b> and method for <b>sealing a blood vessel</b> using same
P3 [D67] Applicant invented <b>ultrasonic surgical shears</b> 30 for cutting and <b>sealing blood vessels</b> during surgery.	D67 {P3} For instance, the <b>ultrasonic surgical shears</b> and the method for <b>sealing a blood vessel</b> of the invention have <b>application</b> in robotic assisted <b>surgery</b> taking into account the obvious modifications of such systems, components and methods to be compatible with such a robotic system.
P6 [B19] The <b>blade</b> 32 <b>vibrates</b> at a high frequency to <b>transect</b> (cut) and <b>seal the vessel</b> .	B19 {P6} Step d) includes ultrasonically <b>vibrating the blade</b> to <b>transect and seal</b> the blood <b>vessel</b> .
P6 [D14] The <b>blade</b> 32 <b>vibrates</b> at a high frequency to <b>transect</b> (cut) and <b>seal the vessel</b> .	D14 {P6} Step d) includes ultrasonically <b>vibrating the blade</b> to <b>transect and seal</b> the blood <b>vessel</b> .
P6 [C6] The <b>blade</b> 32 <b>vibrates</b> at a high frequency to <b>transect</b> (cut) and <b>seal the vessel</b> .	C6 {P6} d) ultrasonically <b>vibrating the blade</b> to <b>transect and seal</b> the blood <b>vessel</b> .
P6 [A4] The <b>blade</b> 32 <b>vibrates</b> at a high frequency to <b>transect</b> (cut) and <b>seal the vessel</b> .	A4 {P6} The <b>blade</b> is ultrasonically <b>vibrated</b> to <b>transect and seal</b> the blood <b>vessel</b> .
P6 [C60] The <b>blade</b> 32 <b>vibrates</b> at a high frequency to <b>transect</b> (cut) and <b>seal the vessel</b> .	C60 {P6} d) ultrasonically <b>vibrating the blade</b> to <b>transect and seal</b> the blood <b>vessel</b> .
P7 [B27] A force <b>limiting</b> mechanism 40 functions to limit the user applied <b>clamping</b> force on <b>tissue</b> disposed between the <b>tissue pad</b> 36 and the <b>blade</b> 32 to a range of <b>60 psi</b> and <b>210 psi</b> at the <b>clamping</b> surface area 38.	B27 {P7} The ultrasonic surgical shears also includes a mechanism for <b>limiting</b> a user-applied <b>clamping</b> force on the <b>clamping</b> arm creating an average <b>clamping</b> pressure between and including <b>60 psi</b> and <b>210 psi</b> on <b>tissue</b> positioned between the <b>tissue pad</b> and the <b>blade</b> .
P7 [D52] A force <b>limiting</b> mechanism 40 functions to limit the user applied <b>clamping</b> force on <b>tissue</b> disposed between the <b>tissue pad</b> 36 and the <b>blade</b> 32 to a range of <b>60 psi</b> and <b>210 psi</b> at the <b>clamping</b> surface area 38.	D52 {P7} The ultrasonic surgical shears <b>30</b> also includes means <b>40</b> for <b>limiting</b> a user-applied <b>clamping</b> force on the <b>clamping</b> arm <b>34</b> creating a <b>clamping</b> pressure between and including <b>60 psi</b> and <b>210 psi</b> on <b>tissue</b> disposed between the <b>tissue pad</b> <b>36</b> and the <b>blade</b> <b>32</b> .
P17 [C32] c) a <b>tissue pad</b> attached to the <b>clamping</b> arm, the <b>blade</b> and <b>tissue pad</b> defining a <b>clamping</b> surface	C32 {P17} d) means for exerting a predetermined <b>clamping</b> force on the <b>clamping</b> arm, wherein the <b>blade</b> and <b>tissue pad</b> define a <b>clamping</b> surface area so that the clamp force does not exceed a <b>clamping</b> pressure of 210 psi at the <b>clamping</b> surface area.
P17 [C45] c) a <b>tissue pad</b> attached to the <b>clamping</b> arm, the <b>blade</b> and <b>tissue pad</b> defining a <b>clamping</b> surface	C45 {P17} c) a <b>tissue pad</b> attached to the <b>clamping</b> arm, wherein the <b>blade</b> and <b>tissue pad</b> define a <b>clamping</b> surface area so that the applied clamp force does not exceed a <b>clamping</b> pressure of 210 psi at the <b>clamping</b> surface area; and
P25 [C32] c) a <b>tissue pad</b> attached to the <b>clamping</b> arm, the <b>blade</b> and <b>tissue pad</b> defining a <b>clamping</b> surface	C32 {P25} d) means for exerting a predetermined <b>clamping</b> force on the <b>clamping</b> arm, wherein the <b>blade</b> and <b>tissue pad</b> define a <b>clamping</b> surface area so that the clamp force does not exceed a <b>clamping</b> pressure of 210 psi at the <b>clamping</b> surface area.
P25 [C45] c) a <b>tissue pad</b> attached to the <b>clamping</b> arm, the <b>blade</b> and <b>tissue pad</b> defining a <b>clamping</b> surface	C45 {P25} c) a <b>tissue pad</b> attached to the <b>clamping</b> arm, wherein the <b>blade</b> and <b>tissue pad</b> define a <b>clamping</b> surface area so that the applied clamp force does not exceed a <b>clamping</b> pressure of 210 psi at the <b>clamping</b> surface area; and
P30 [C3] An <b>ultrasonic surgical shears</b> for cutting and <b>sealing a blood vessel</b> during surgery.	C3 {P30} <b>Ultrasonic surgical shears</b> and method for <b>sealing a blood vessel</b> using same
	D67 {P30} For instance, the <b>ultrasonic surgical shears</b> and the method for <b>sealing a blood</b>

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