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### (54) Surgical instrument with enhaquiced battery performance

(57) An assembly including a component of a surgical instrument, such as an endoscopic or laparoscopic instrument. The assembly may comprise a package; a surgical instrument component within the package; and a power source within the package. The power source

may be configured to be placed in electrical communication with the surgical instrument component. The assembly may also comprise an auxiliary power source within the package and a circuit element, where the circuit element is in electrical communication with the power source and the auxiliary power source.

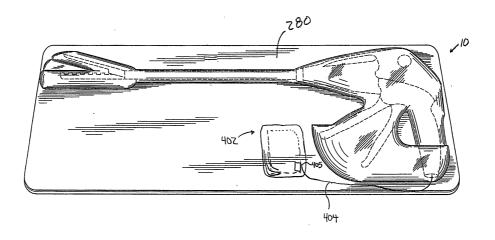


FIG. 16

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## **EUROPEAN SEARCH REPORT**

Application Number EP 08 25 0099

		ERED TO BE RELEVANT	Delevior	01 4001510 4 510 11 0 5 5115
Category	Citation of document with i of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Х	US 2003/220638 A1 (27 November 2003 (2 * abstract; claim 2 * paragraphs [0018]	2003-11-27)	1-10	INV. A61B19/02 A61B17/072
Α	WO 2006/132992 A (TLP) 14 December 200 * abstract; figures * paragraph [0049];	1,3,4		
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Α	W0 03/090630 A (TYO 6 November 2003 (20 * abstract; figures * page 11, line 14 * page 23, lines 16	1	TECHNICAL FIELDS SEARCHED (IPC) A61B A61C	
A	US 2006/273135 A1 (7 December 2006 (20 * abstract; figure: * paragraph [0102]	006-12-07) s *	1	AUIC
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search	<u> </u>	Examiner
	The Hague	9 April 2008	Gim	nénez Burgos, R
X : part Y : part docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot ument of the same category inological background -written disclosure	T : theory or principle E : earlier patent doc after the filing date D : document cited ir L : document cited fo	e underlying the i ument, but publi e n the application or other reasons	nvention shed on, or



Application Number

EP 08 25 0099

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:  1-10
The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



# LACK OF UNITY OF INVENTION SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-10

A packed surgical instrument assembly comprising: a surgical instrument component, a power source, an auxiliary power source and a circuit element in electrical communication with the power source and the auxiliary power source.

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2. claims: 11-13

An end effector cartridge for use with a surgical instrument comprising an electrical component; a power source and a circuit element.

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#### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 08 25 0099

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-04-2008

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FORM P0459

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专利名称(译)	具有增强电池性能的手术器械				
公开(公告)号	EP1943976A3	公开(公告)日	2008-08-06		
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[标]申请(专利权)人(译)	伊西康内外科公司				
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IPC分类号	A61B19/02 A61B17/072				
CPC分类号	A61B17/07207 A61B50/30 A61B90/361 A61B90/98 A61B2017/00022 A61B2017/0003 A61B2017 /00362 A61B2017/00473 A61B2017/00734 A61B2017/0688 A61B2017/07271 A61B2034/2051 A61B2090/0811				
优先权	11/651785 2007-01-10 US				
其他公开文献	EP1943976B1 EP1943976A2				
外部链接	<u>Espacenet</u>				

#### 摘要(译)

一种组件,包括手术器械的部件,例如内窥镜或腹腔镜器械。该组件可包括包装;包装内的手术器械部件;和包装内的电源。电源可以配置成与手术器械部件电连通。组件还可以包括封装内的辅助电源和电路元件,其中电路元件与电源和辅助电源电连通。

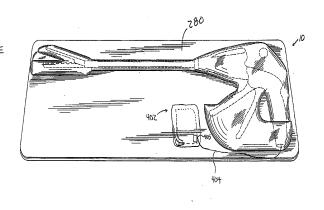


FIG. 16