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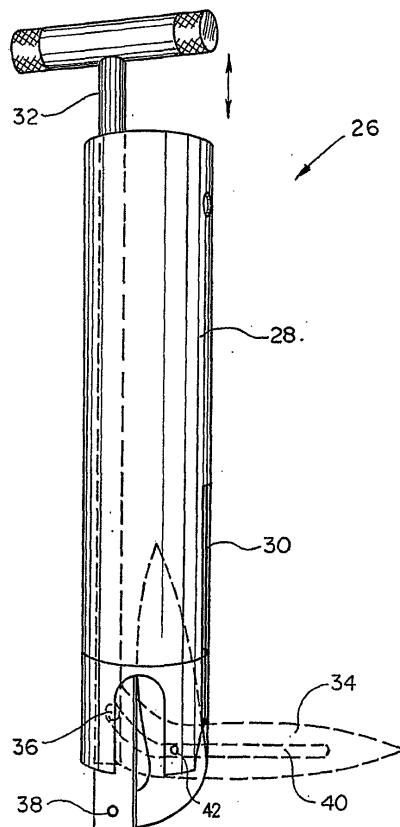
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(54) **Device for percutaneous placement of lumbar pedicle screws and connecting rods**

(57) A spinal surgical system comprising a dilator (28) and a tissue cutting instrument (26), wherein said dilator is provided with a recess (30) and wherein said tissue cutting instrument is deployable through the dilator. The tissue cutting instrument is provided with a blade (34) that is pivotable between an extended deployed position, wherein the blade extends through the recess of the dilator, and a retracted rest position, wherein the blade is withdrawn into the dilator.



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**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 63 of the European Patent Convention EP 08 17 1095 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 649 947 A (AUERBACH BURT J ET AL) 22 July 1997 (1997-07-22) * column 4, line 16 - line 65; figures 4A-4C * -----	1	INV. A61B17/70 A61B17/88
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search		Date of completion of the search	Examiner
Munich		10 September 2009	Hübner, Jens
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

 2
EPO FORM 1503 03.82 (P04E07)



**INCOMPLETE SEARCH
SHEET C**

Application Number

EP 08 17 1095

Claim(s) not searched:
20-34

Reason for the limitation of the search (non-patentable invention(s)):

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery



Application Number

EP 08 17 1095

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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

☐ 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

EP 08 17 1095

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. claim: 1

A dilator comprising a blade pivotable between a retracted rest position and an extended deployed position. The problem to be solved concerns cutting tissue in a percutaneous setting.

2. claims: 2-19,35-50

A device for interlinking at least two pedicles comprising pedicle screws and a connecting rod. The problem to be solved concerns the fixation of at least two pedicles relative to each other.

10-09-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5649947	A	22-07-1997	NONE

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	用于经皮放置腰椎椎弓根螺钉和连杆的装置		
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发明人	THEKEN SPINE, LLC		
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CPC分类号	A61B17/7037 A61B17/1757 A61B17/7002 A61B17/7004 A61B17/7005 A61B17/7032 A61B17/7085 A61B2017/32004 A61B2017/3445 A61B2017/90		
代理机构(译)	OLSSON , JAN		
优先权	10/320989 2002-12-17 US 60/405261 2002-08-21 US		
其他公开文献	EP2111809A2		
外部链接	Espacenet		

摘要(译)

一种脊柱外科系统，包括扩张器（28）和组织切割器械（26），其中所述扩张器设置有凹部（30），并且其中所述组织切割器械可通过扩张器展开。组织切割器械设置有刀片（34），该刀片可在延伸展开位置和缩回静止位置之间枢转，在延伸展开位置，刀片延伸通过扩张器的凹槽，其中刀片被缩回到扩张器中。

