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(54) **LAPAROSCOPIC INSTRUMENT WITH ATTACHABLE ENERGY END EFFECTOR**

LAPAROSKOPISCHES INSTRUMENT MIT EINEM DARAN BEFESTIGBAREN ENERGIEENDEFFEKTOR

INSTRUMENT DE LAPAROSCOPIE DOTÉ D'UN EFFECTEUR TERMINAL ÉLECTRIQUE AMOVIBLE

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(56) References cited:

**WO-A1-2011/044353 US-A1- 2011 087 265**

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专利名称(译)	装有能量感应器的腹腔镜仪器		
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#### 摘要(译)

外科装置包括限定纵向轴线的细长轴。轴包括远端和近端。臂可在内侧偏转, 并包括配合特征。细长销相对于臂位于中间。细长销可在防止臂的中间偏斜的锁定位置和允许臂的中间偏斜的解锁位置之间相对于臂轴向滑动。基于能量的外科手术末端执行器选择性地可附接和可拆卸至臂的配合特征。末端执行器可以包括扭矩臂以接合细长轴。