

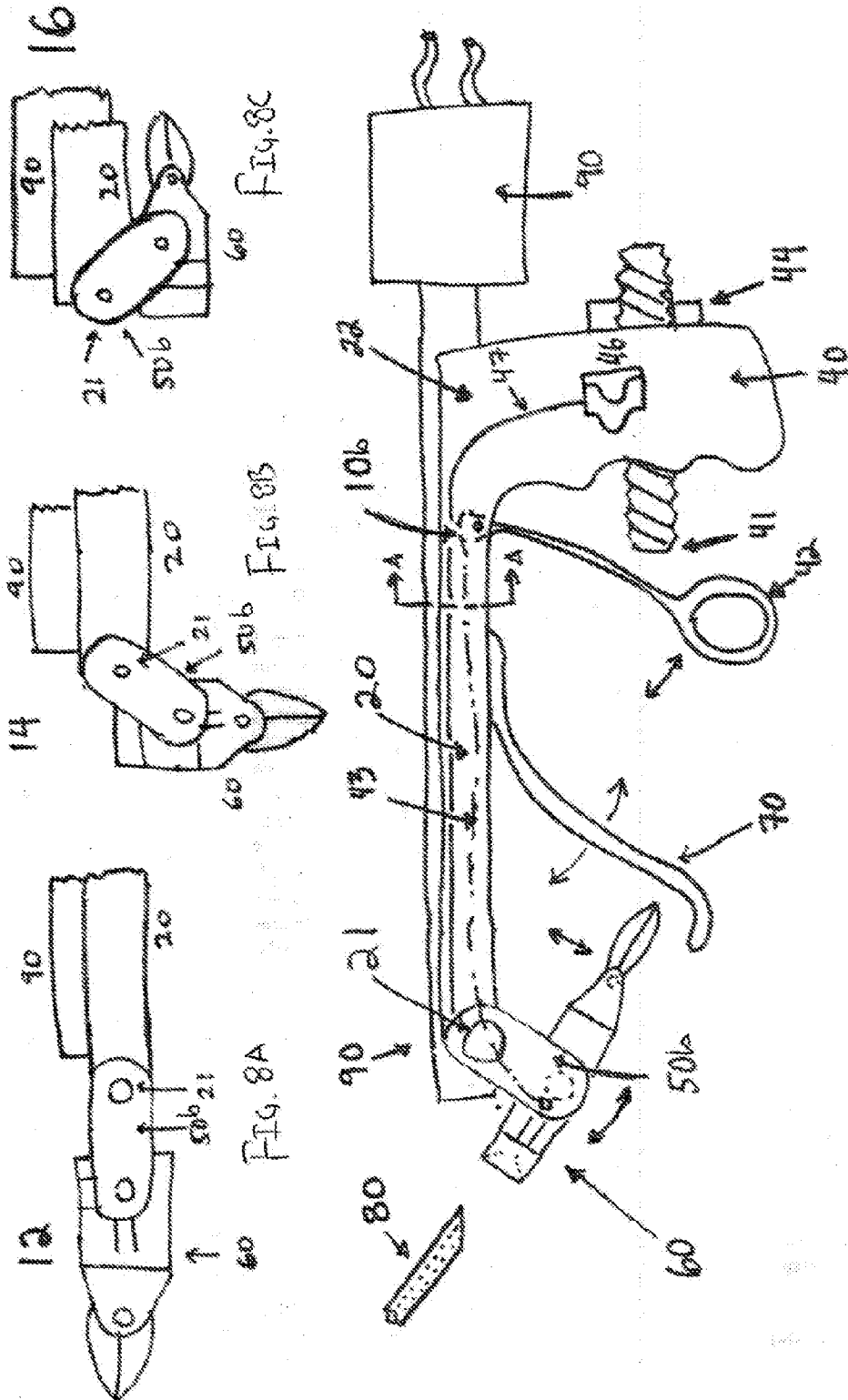
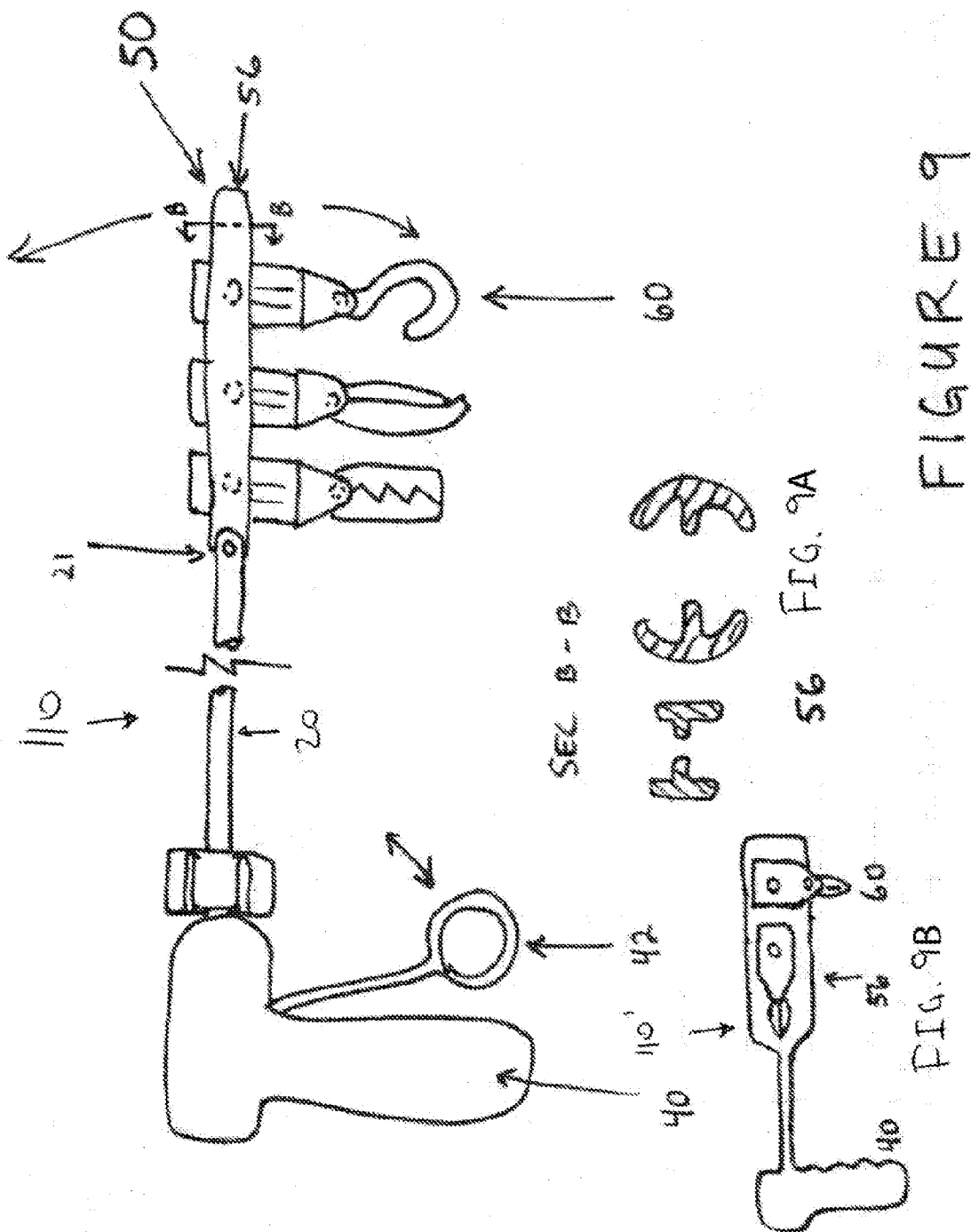
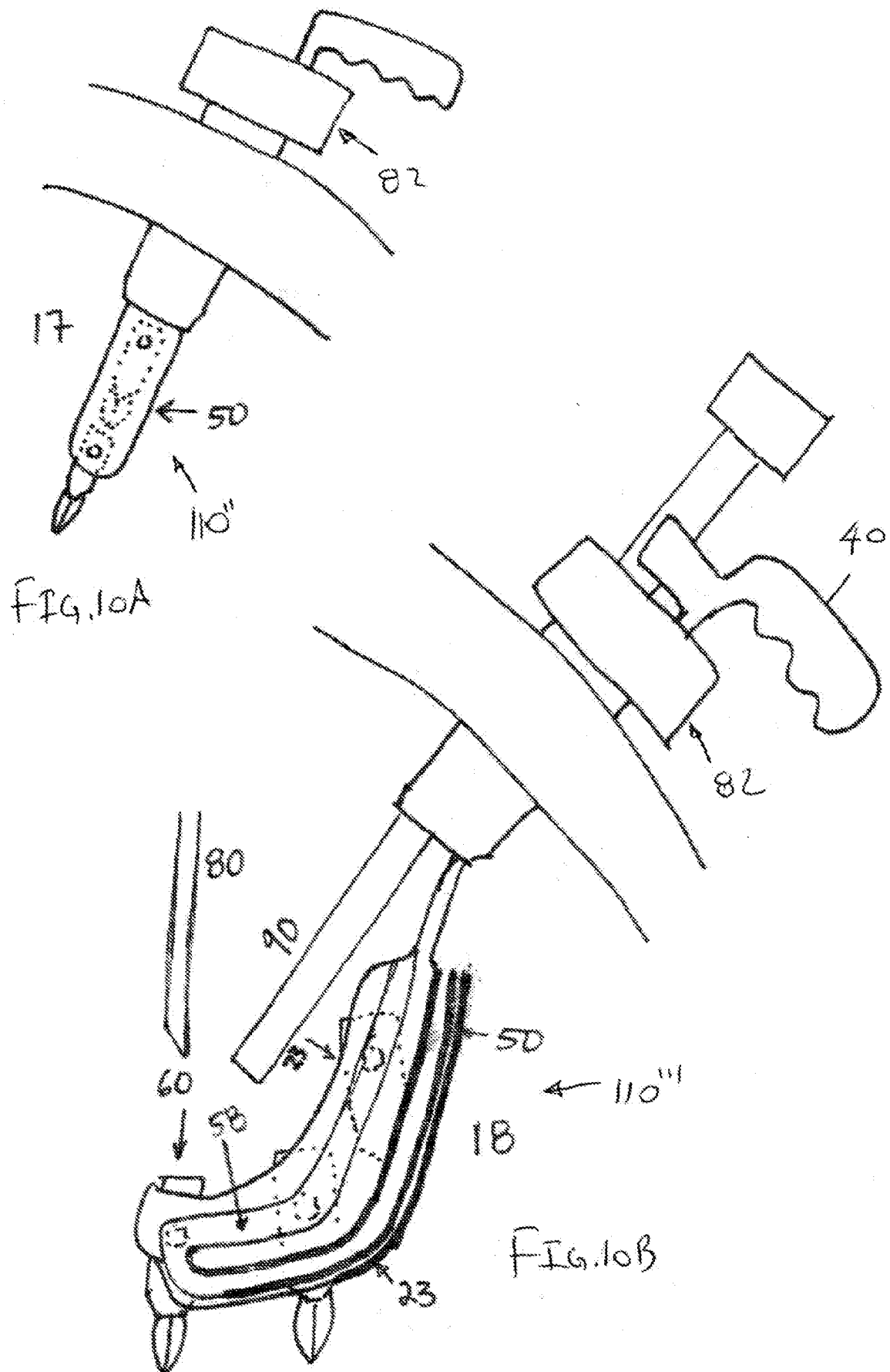
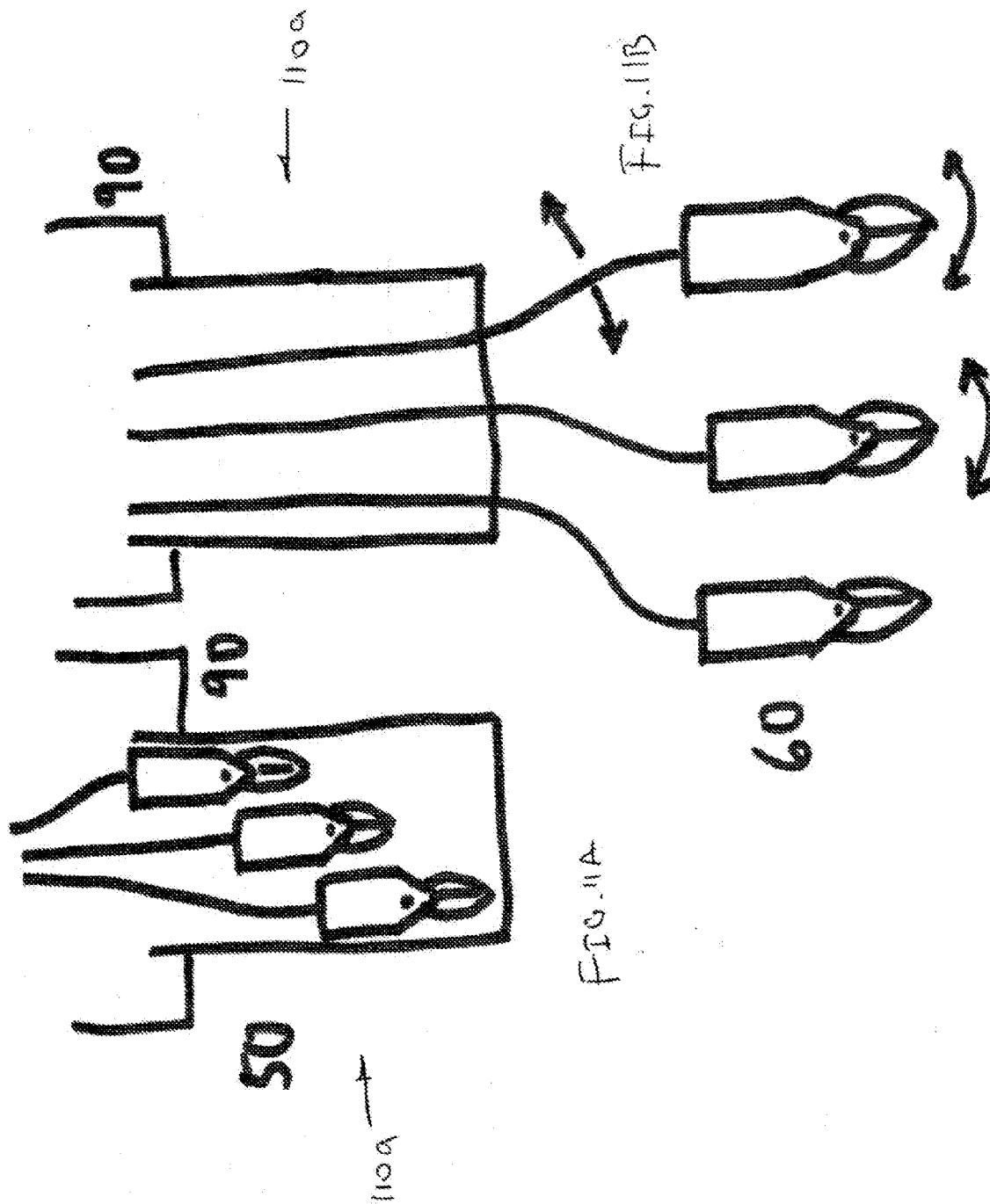


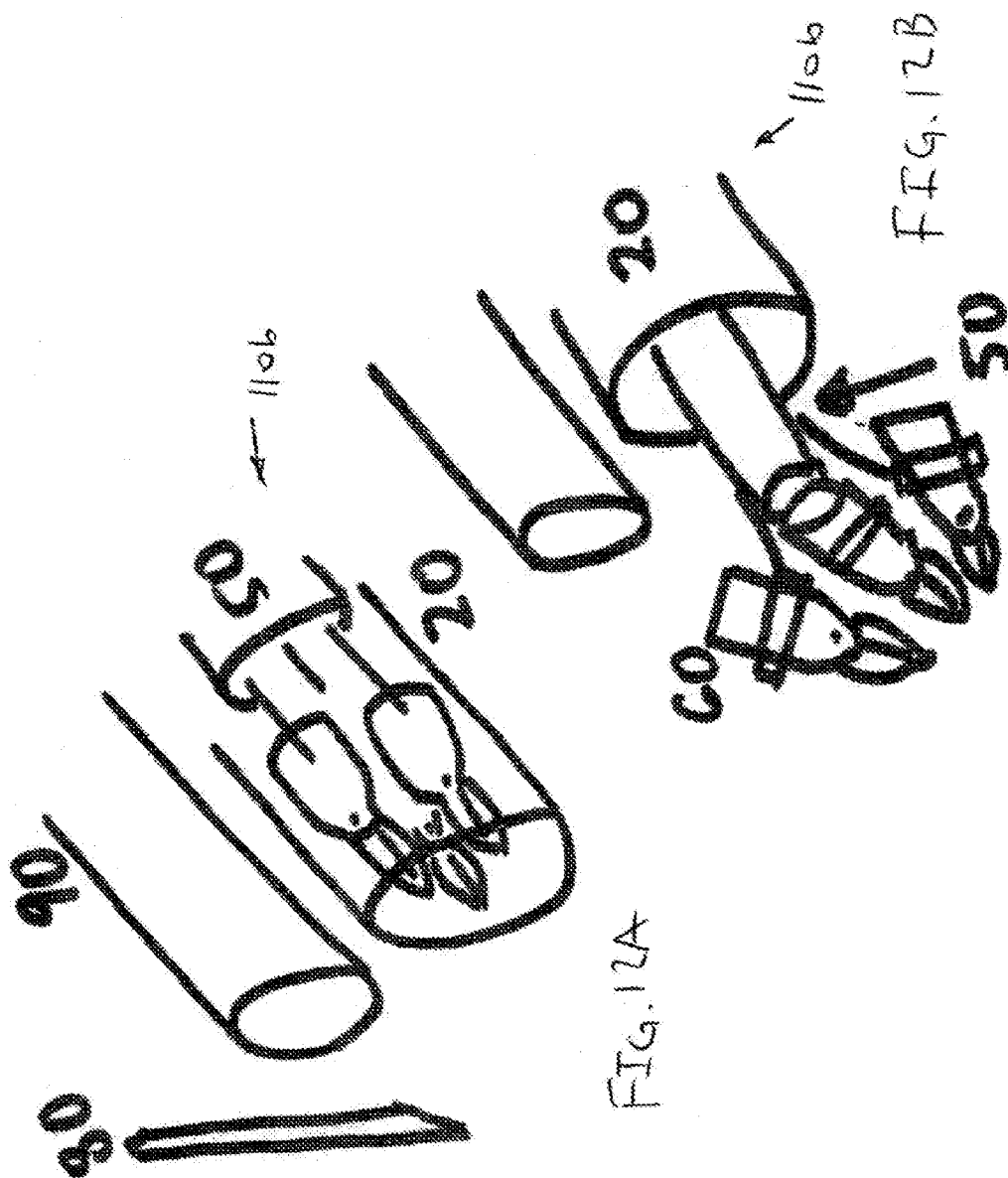
FIGURE 88





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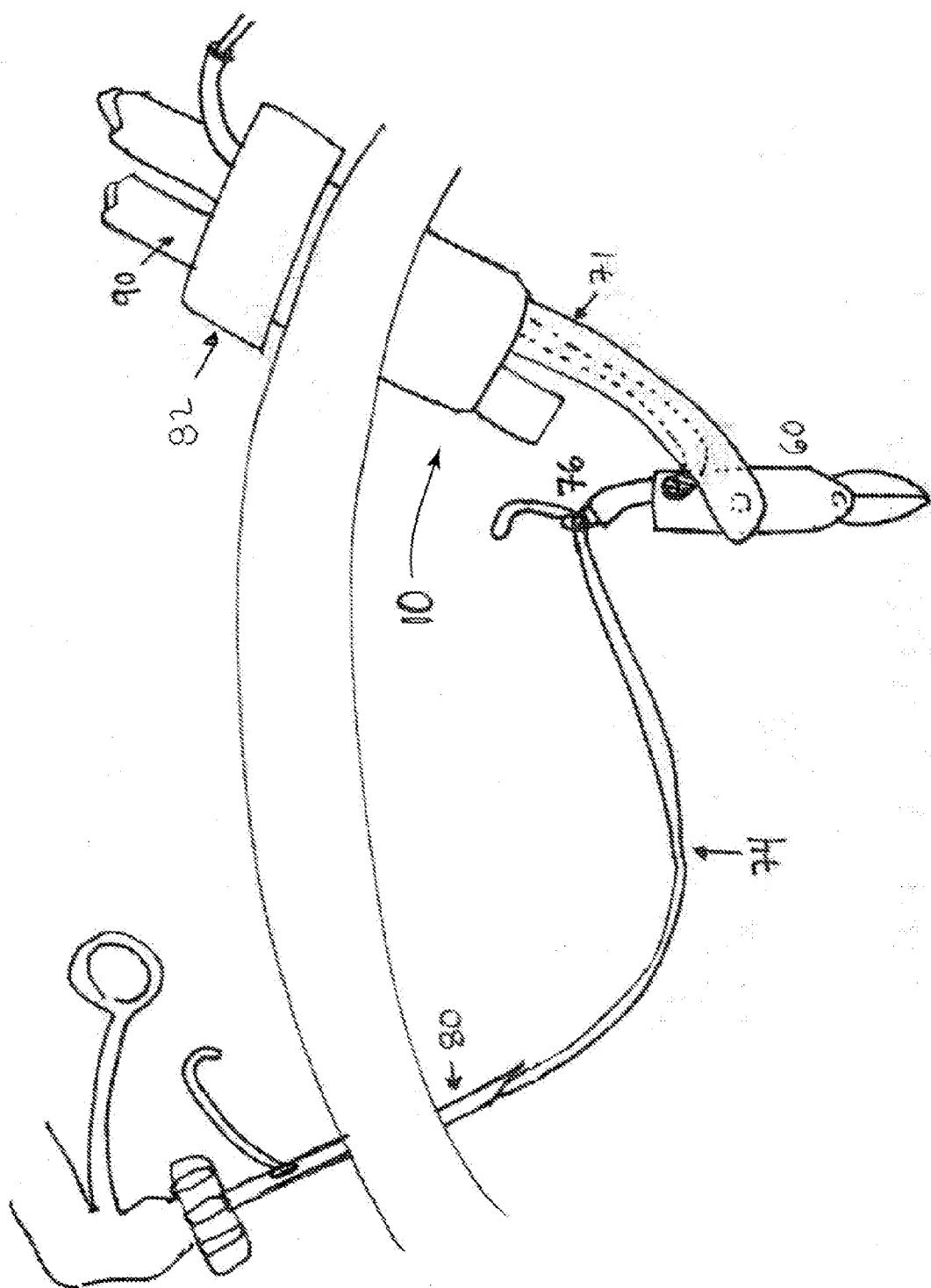


FIGURE 13

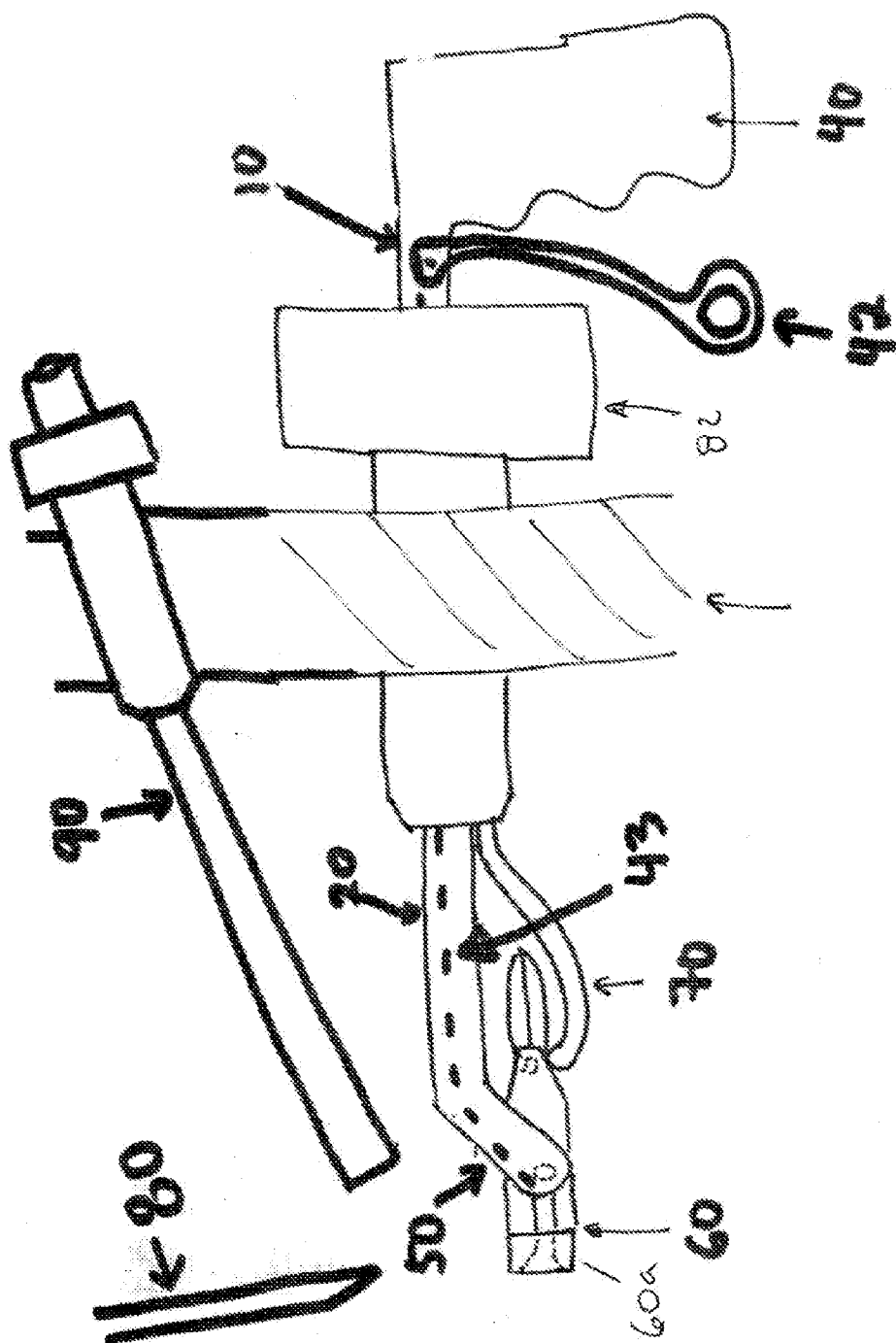


FIGURE 14

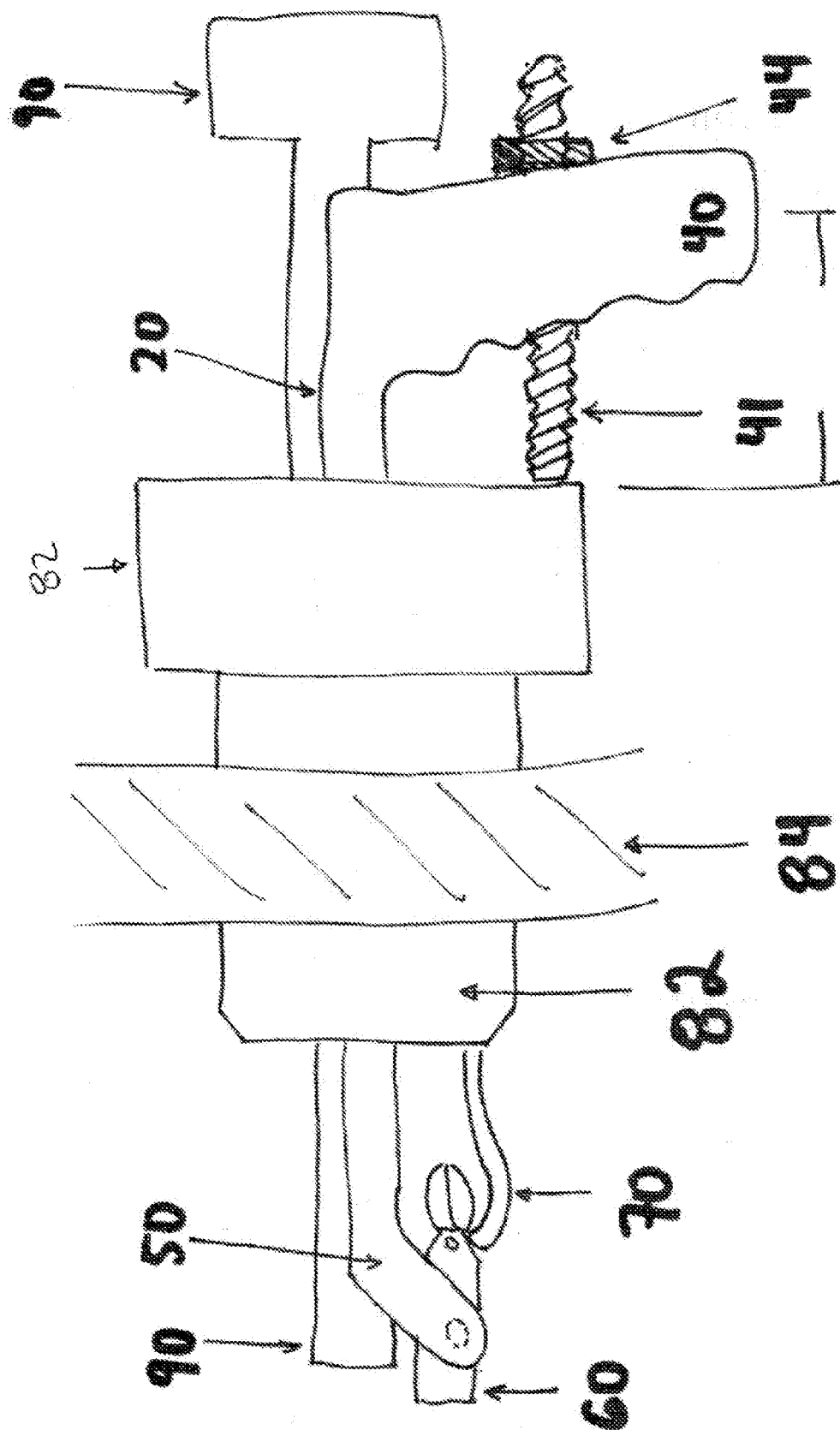


FIGURE 15

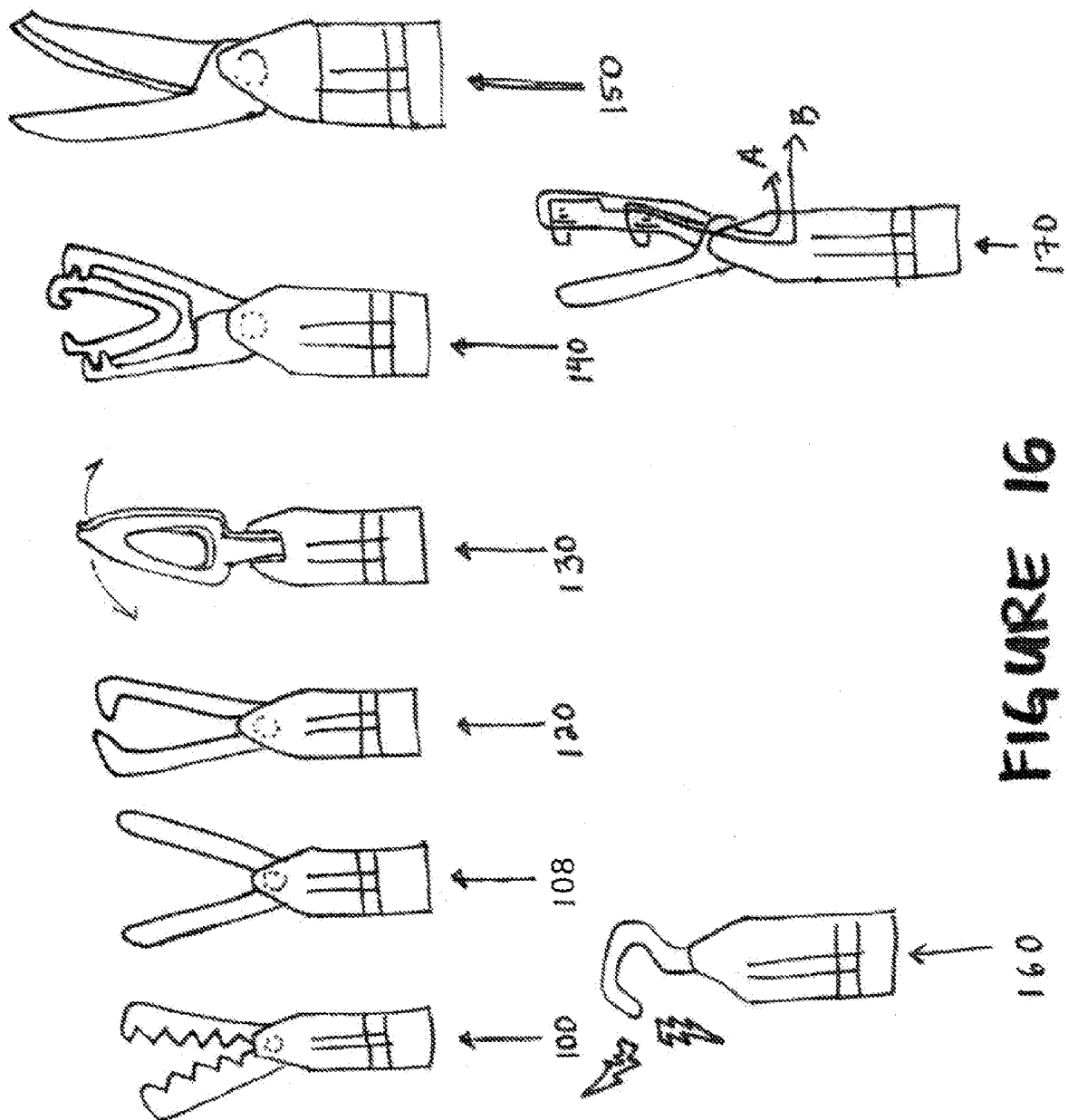


FIGURE 16

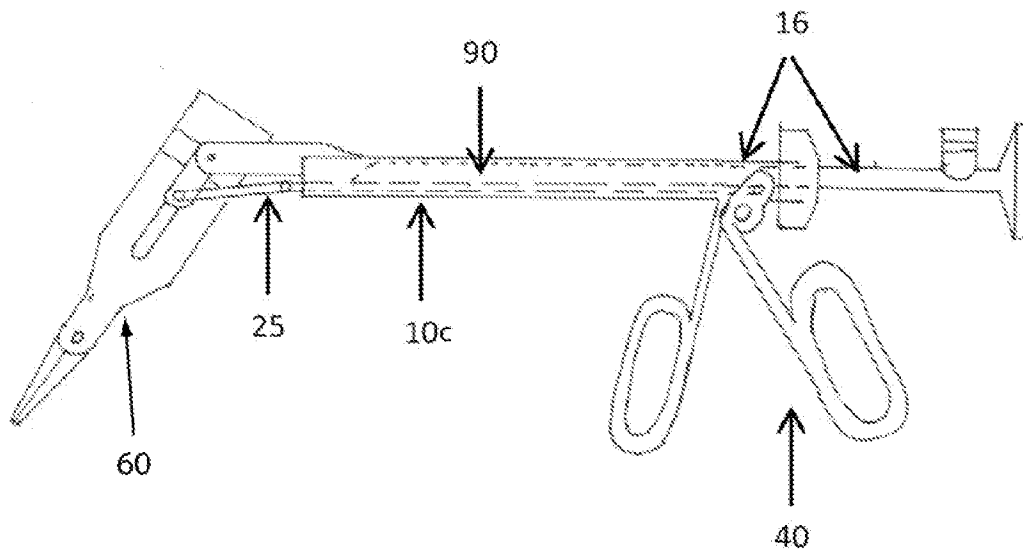


Figure 17

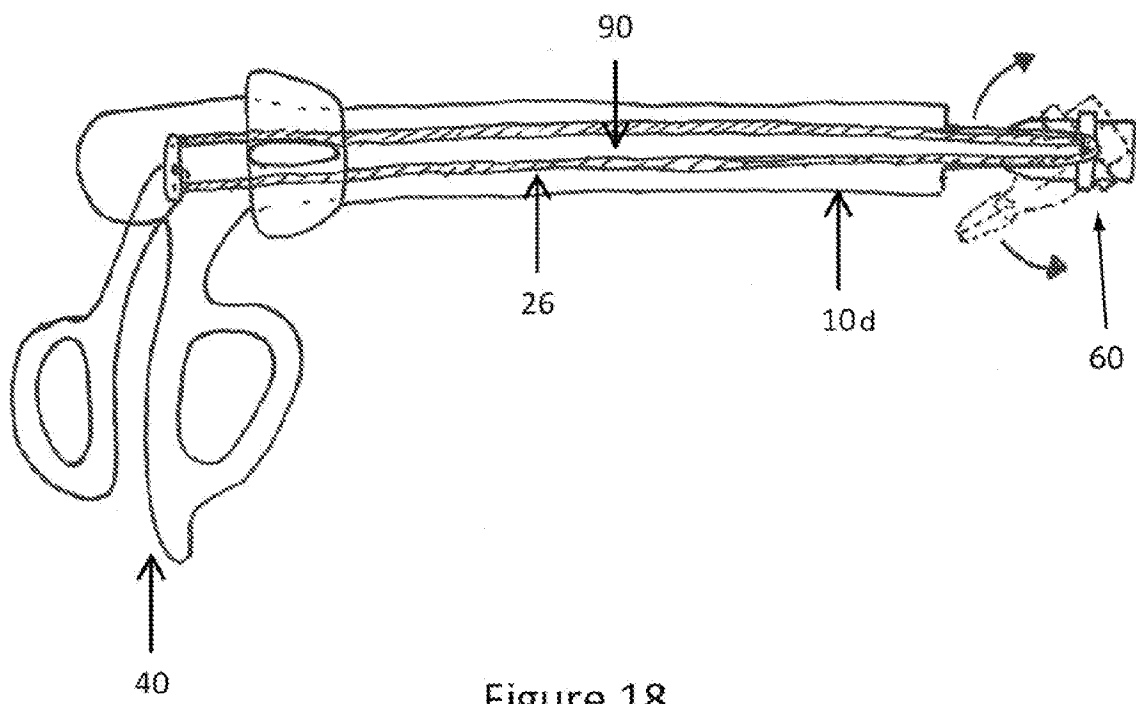


Figure 18

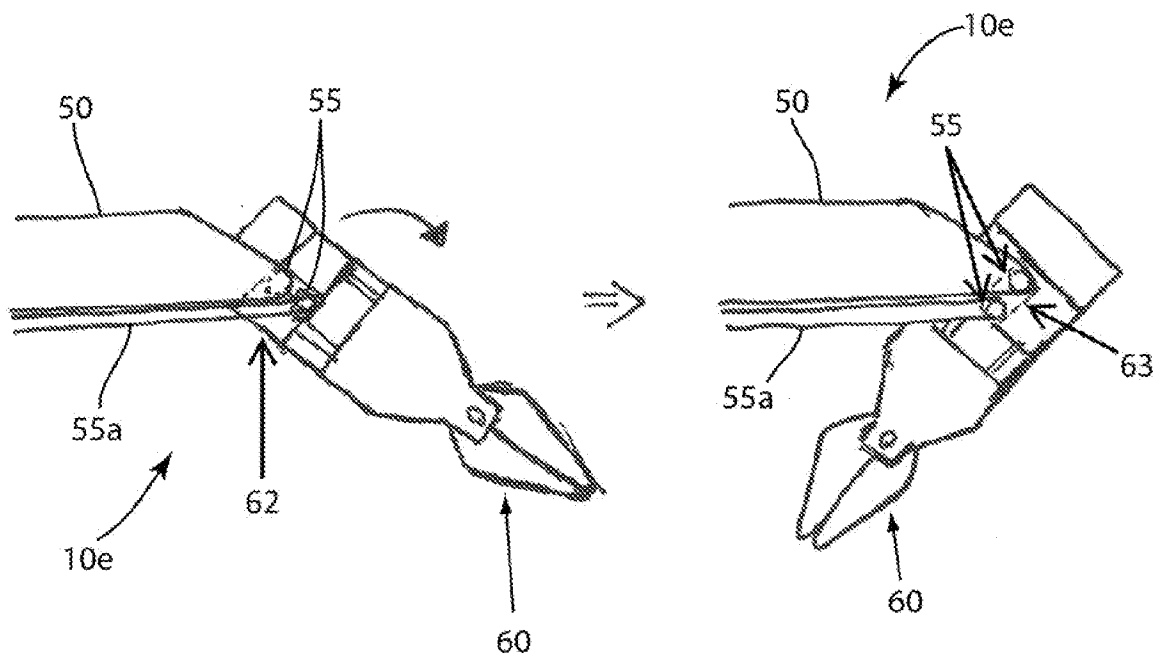


FIG. 19A

FIG. 19B

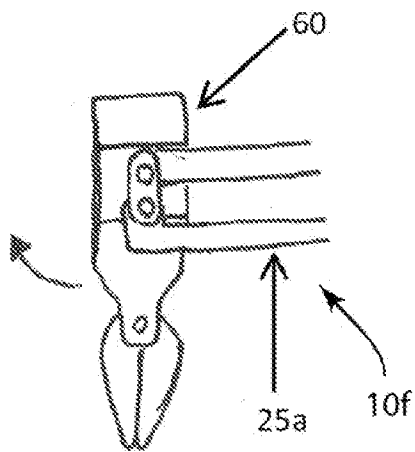


FIG. 20A

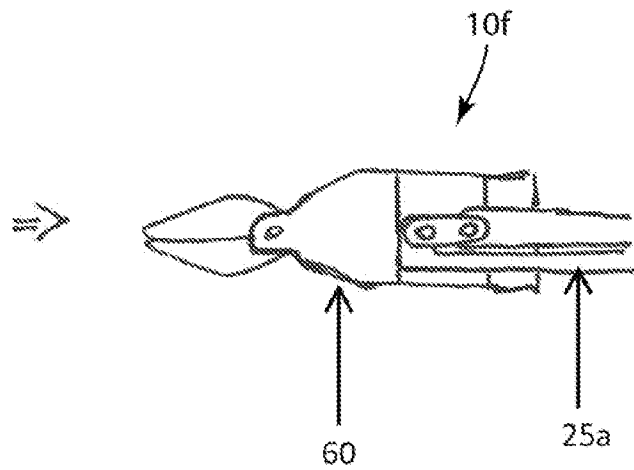
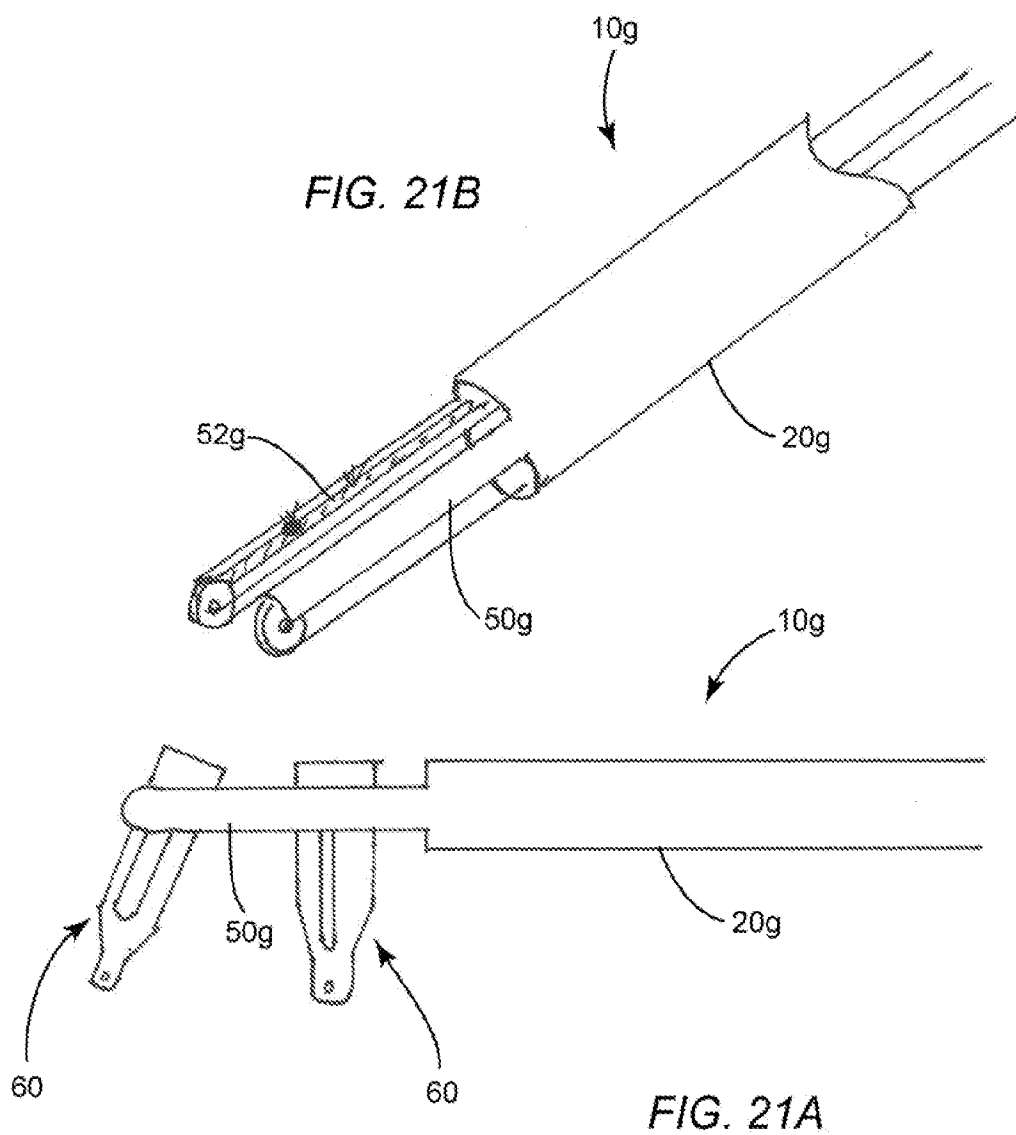
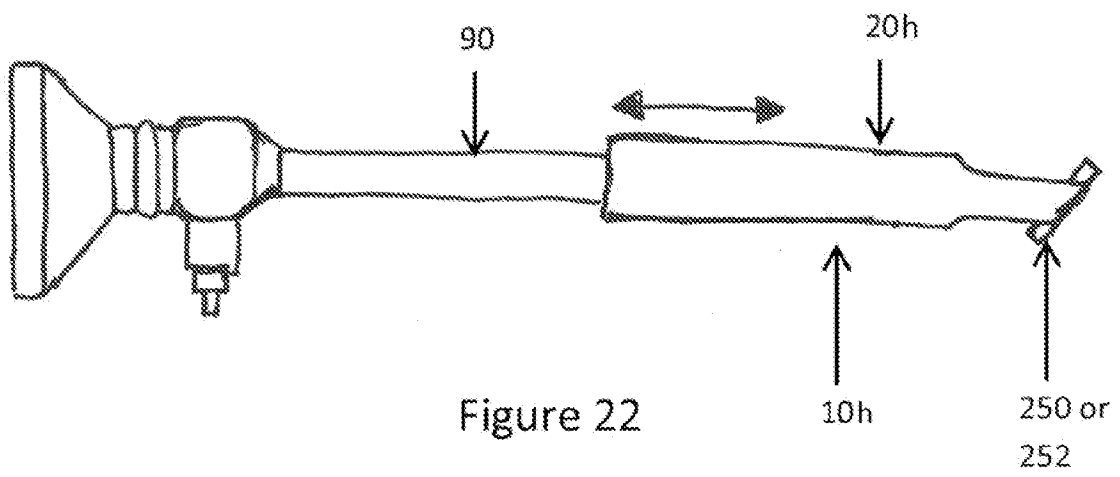


FIG. 20B





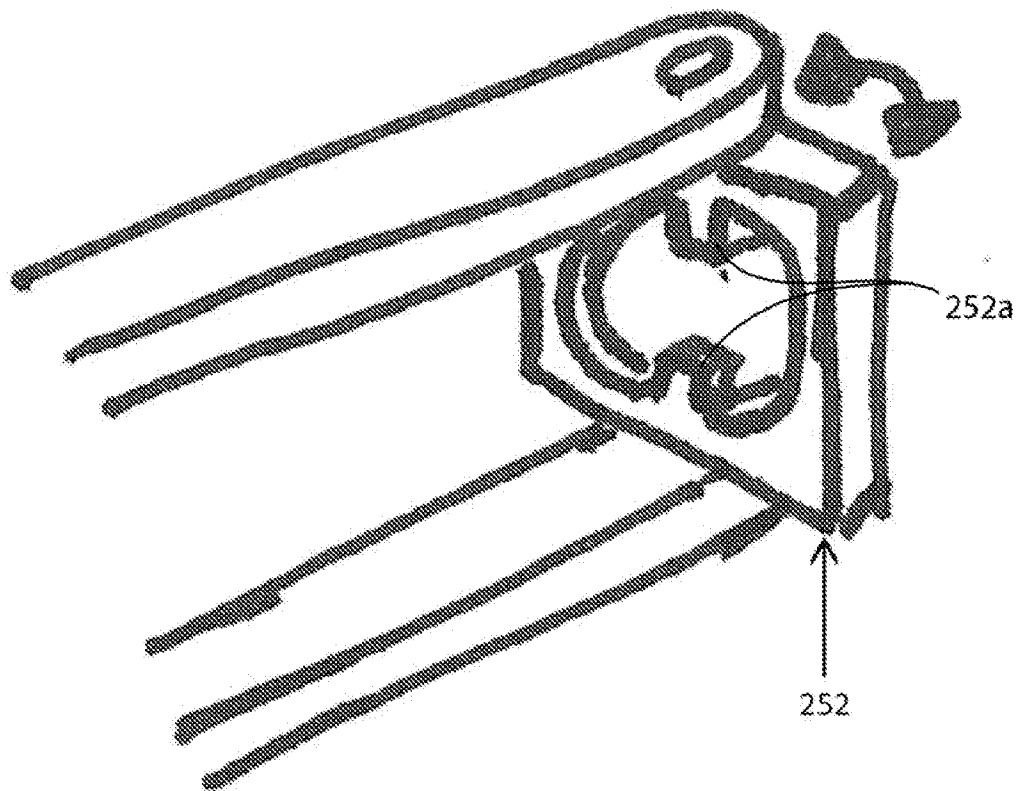


Figure 23

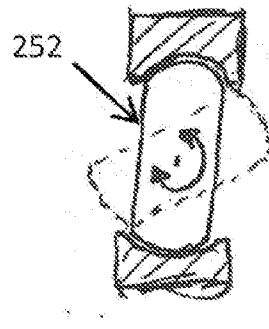


FIG. 24A

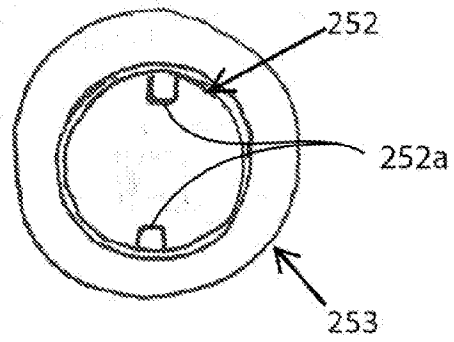


FIG. 24B

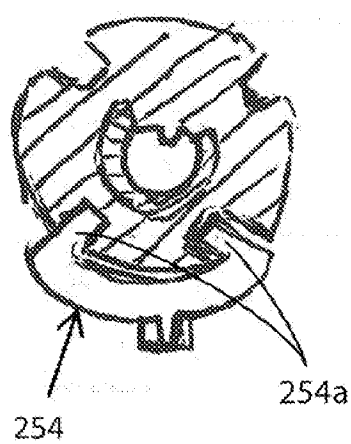


FIG. 25B

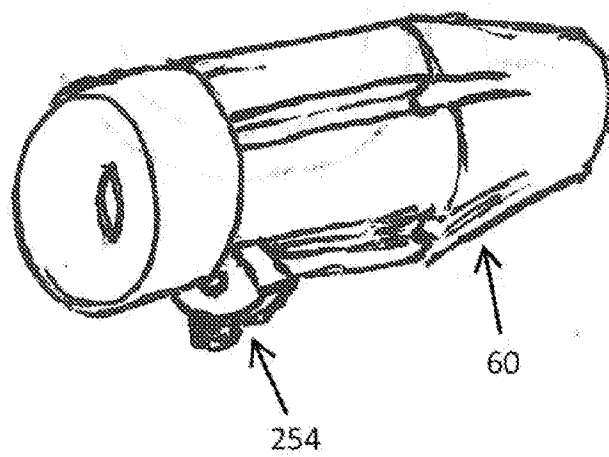


FIG. 25A

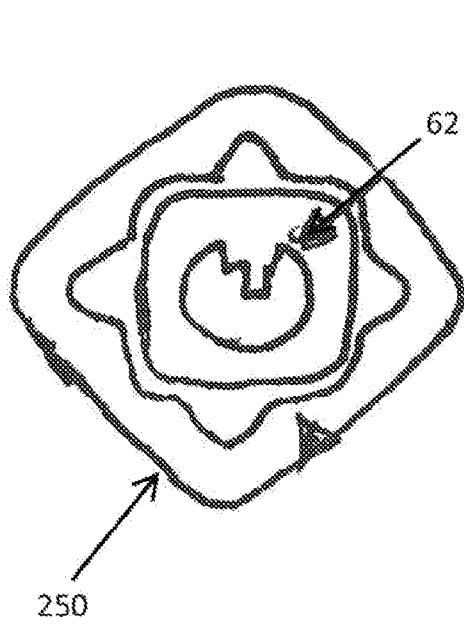


FIG. 26B

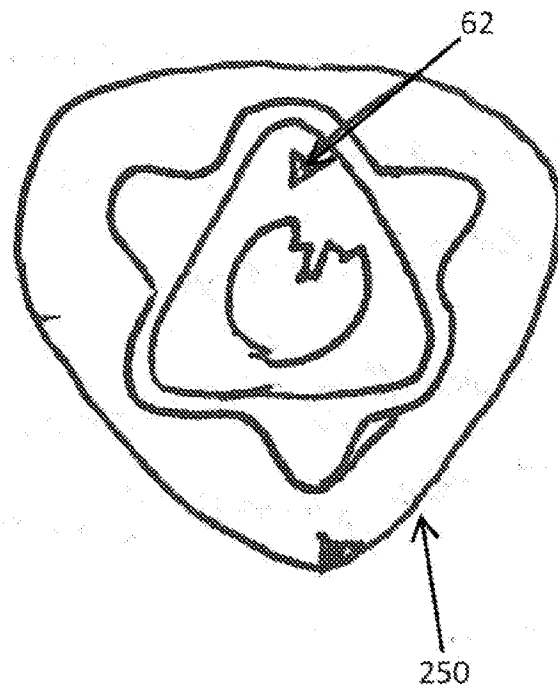


FIG. 26A

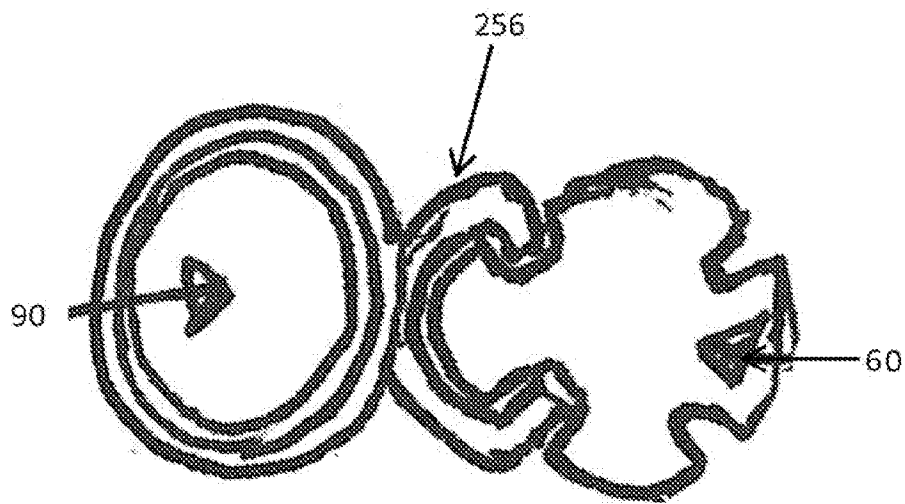
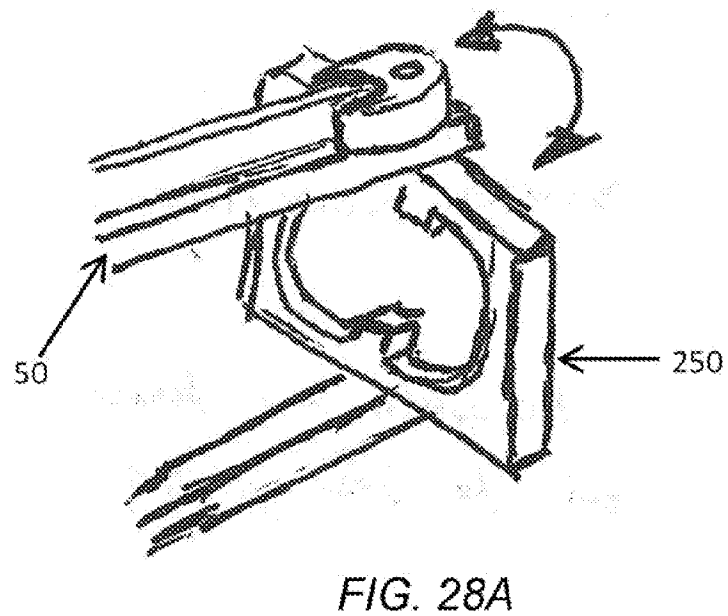
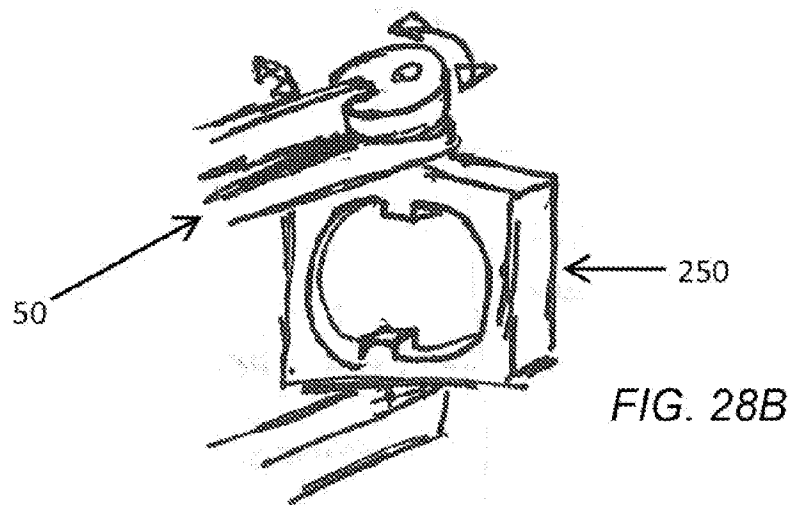
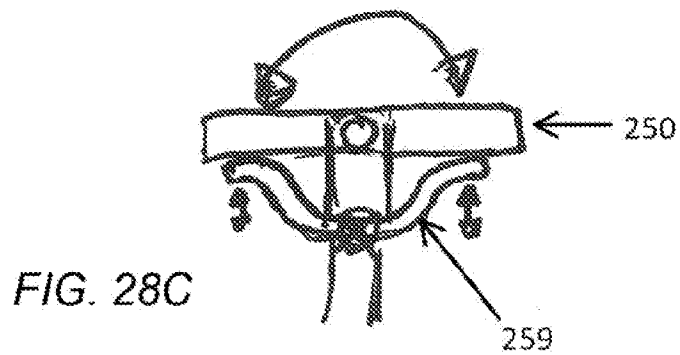


Figure 27

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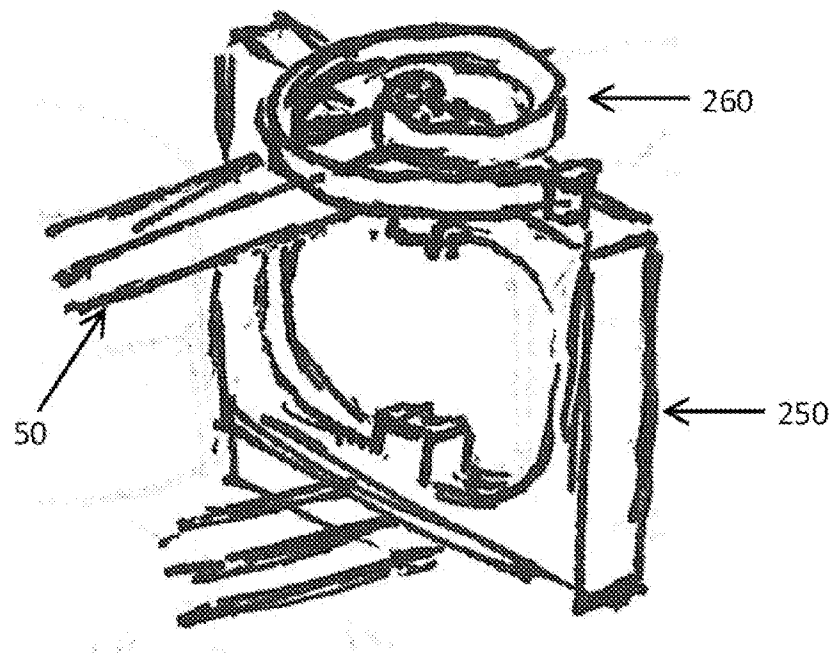


FIG. 28D

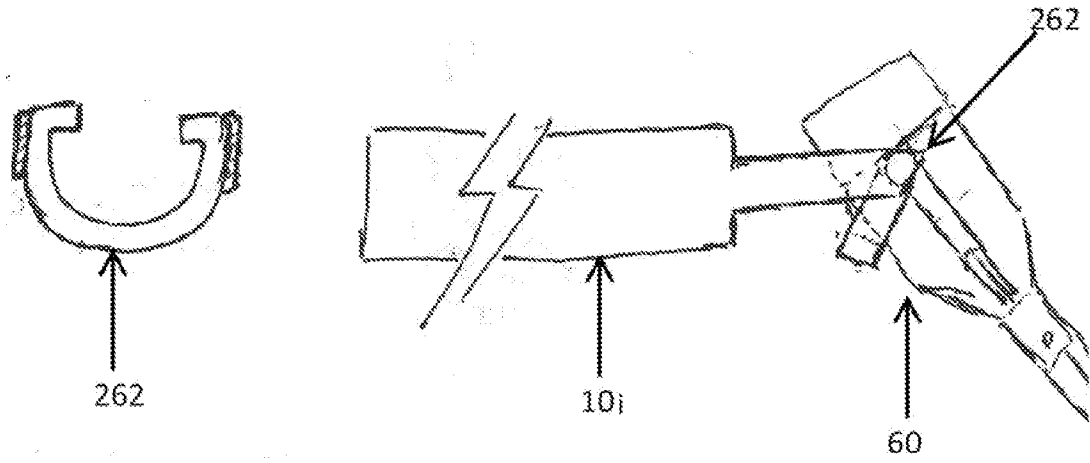


FIG. 29B

FIG. 29A

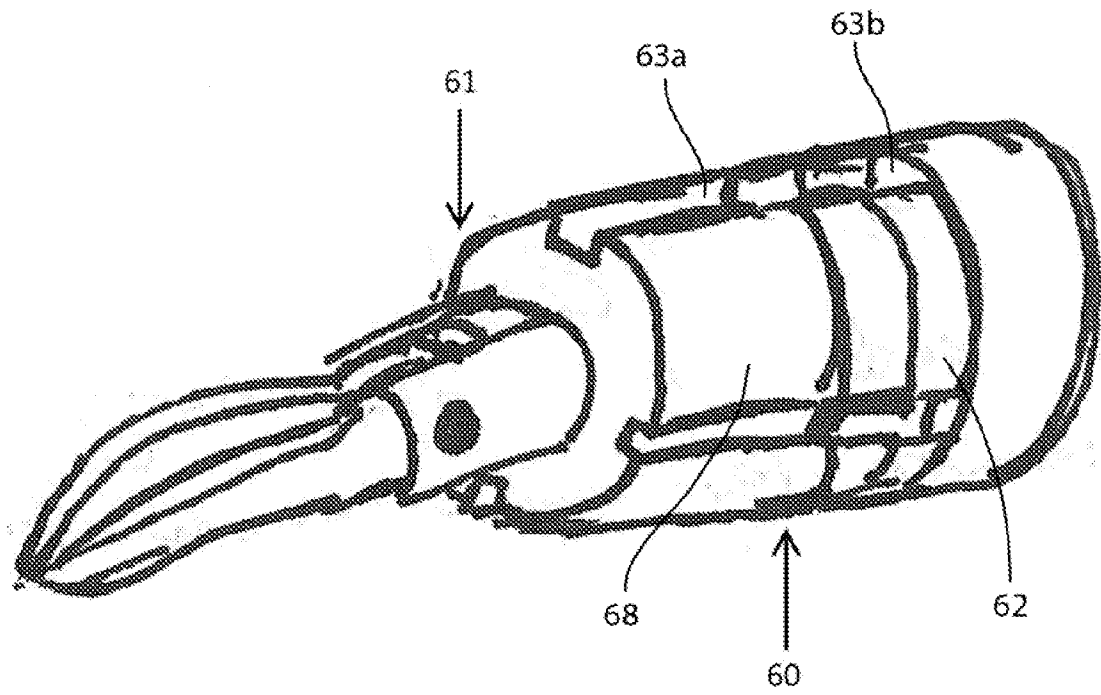


Figure 30

FIG. 31B

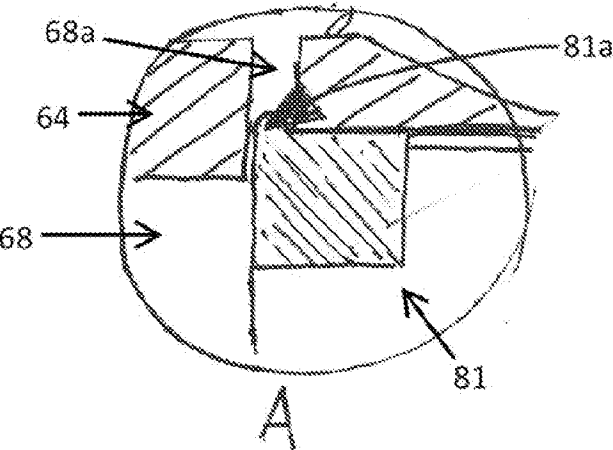
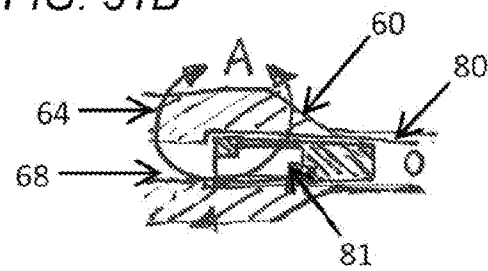


FIG. 31A

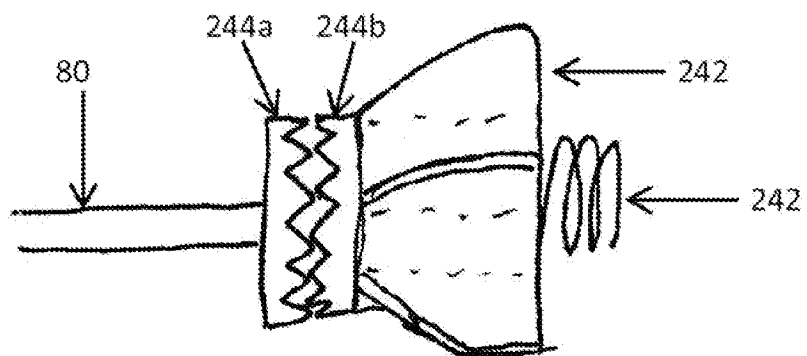
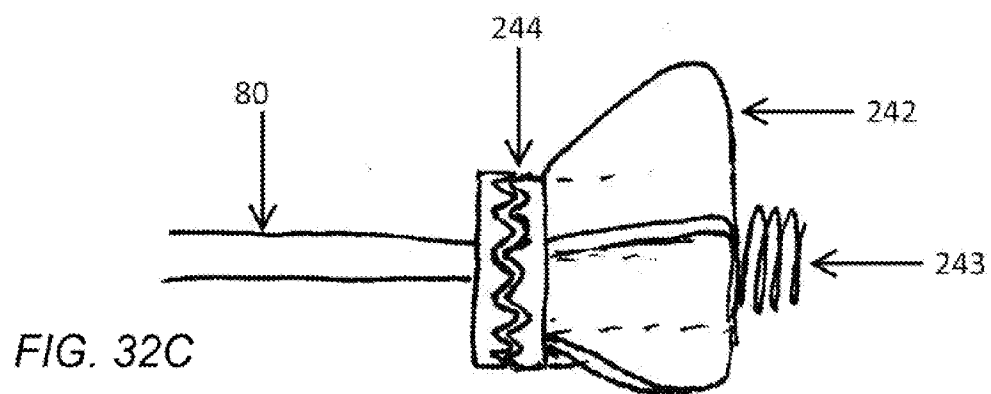
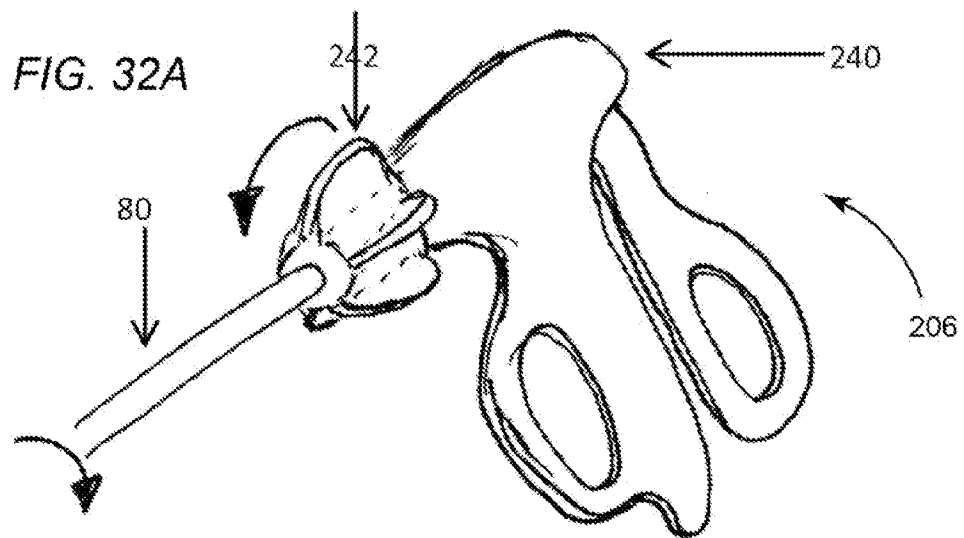


FIG. 32B

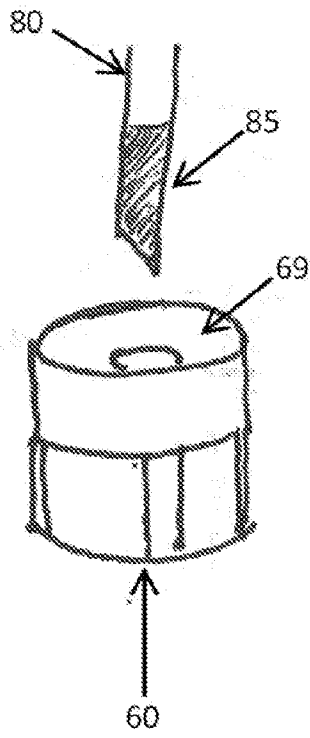


FIG. 33A

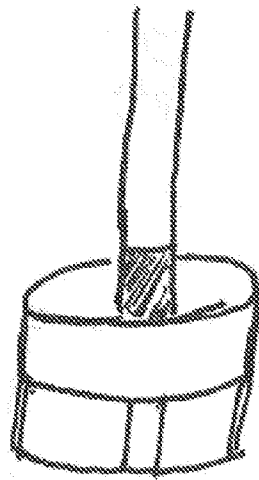


FIG. 33B

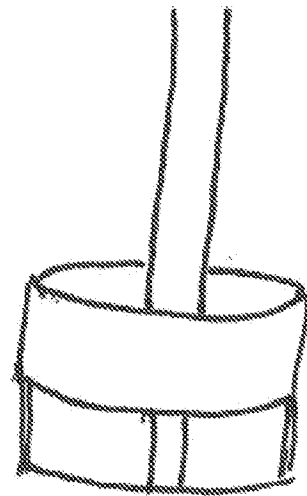


FIG. 33C

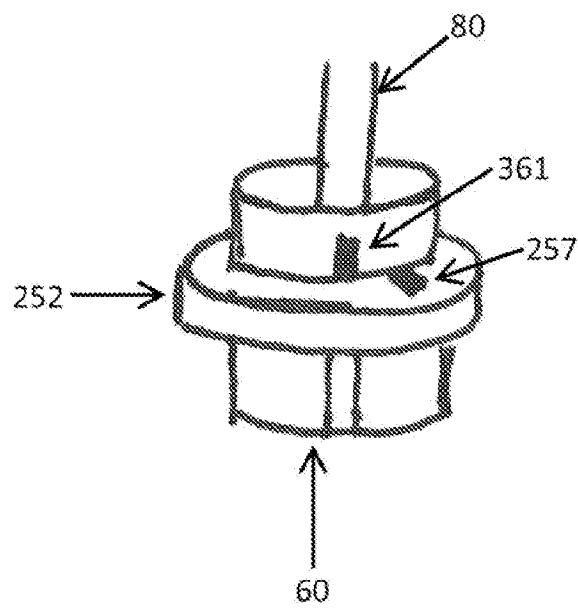


FIG. 34B

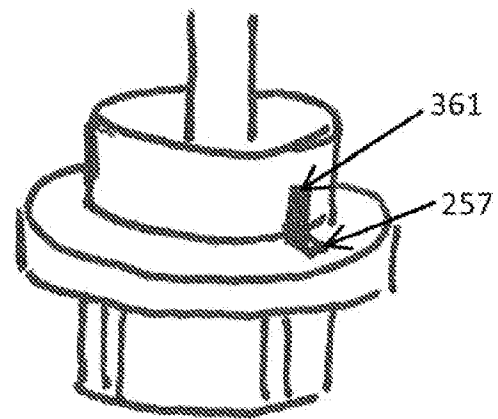
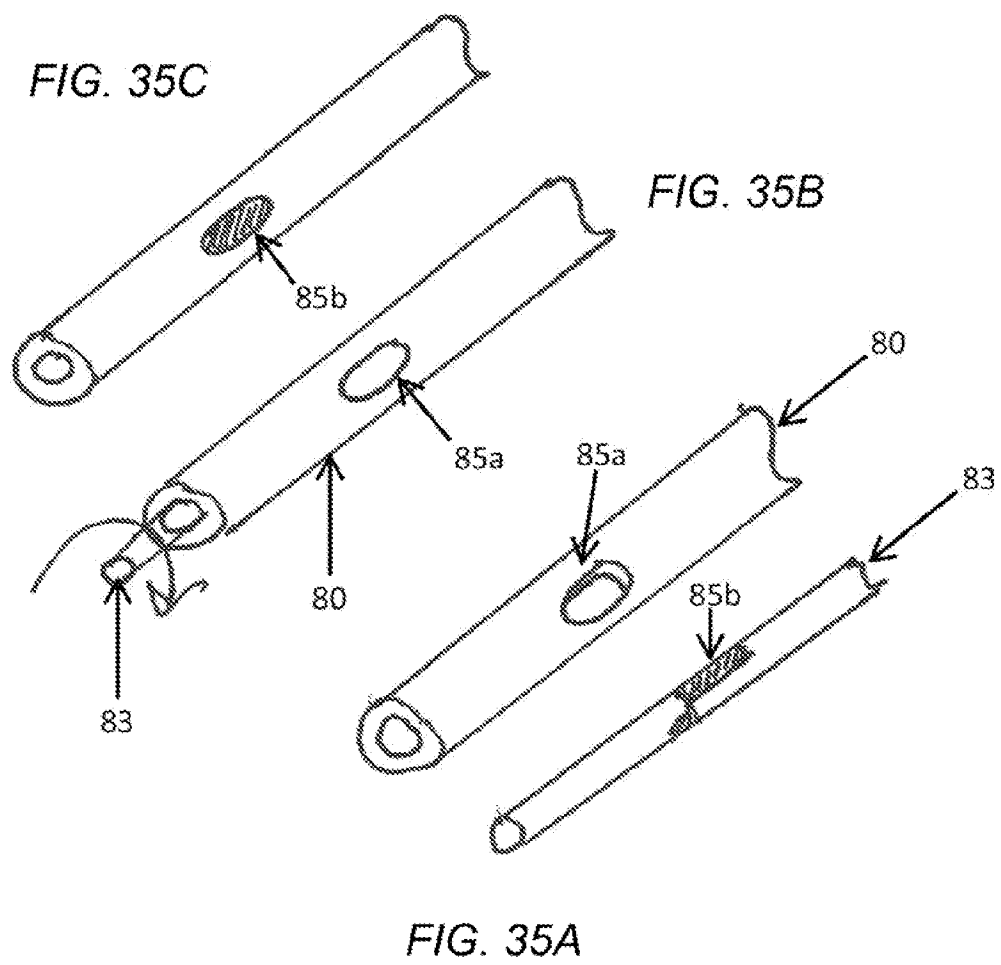


FIG. 34A



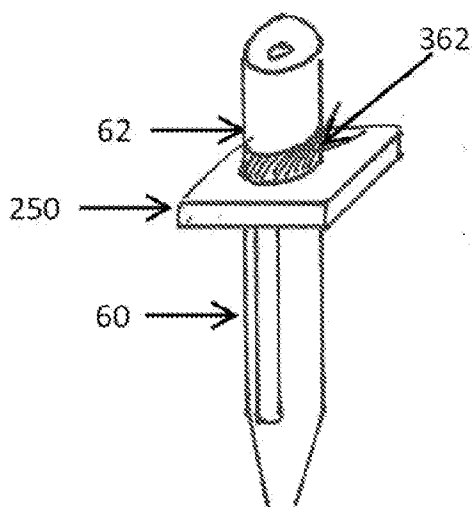


FIG. 36A

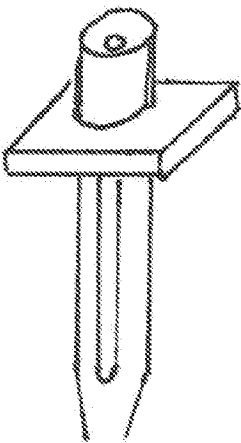
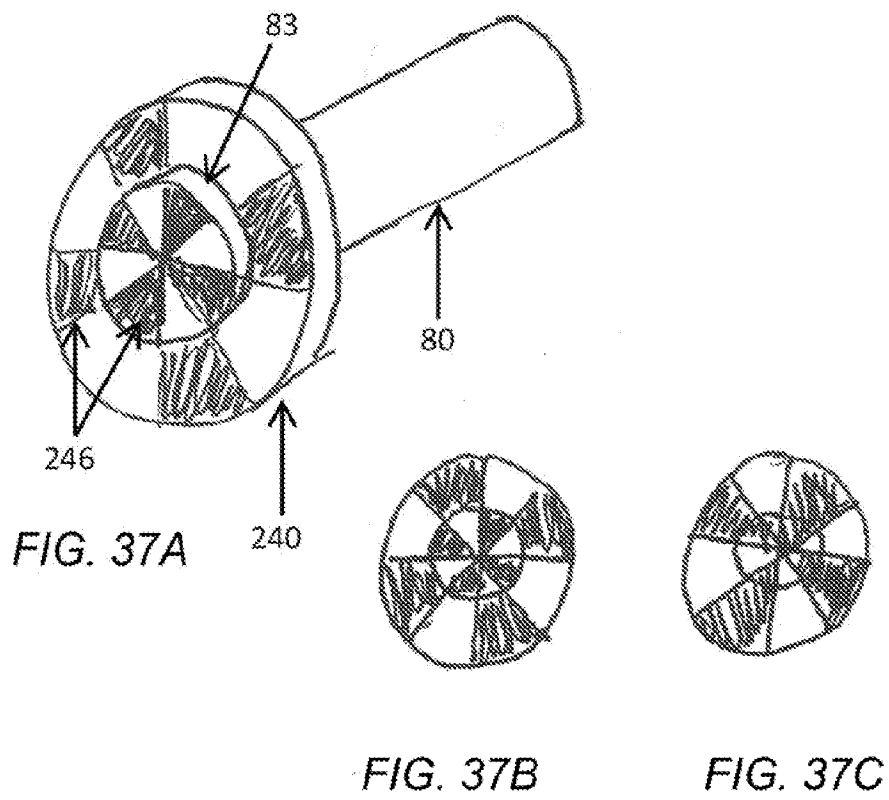
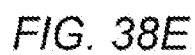
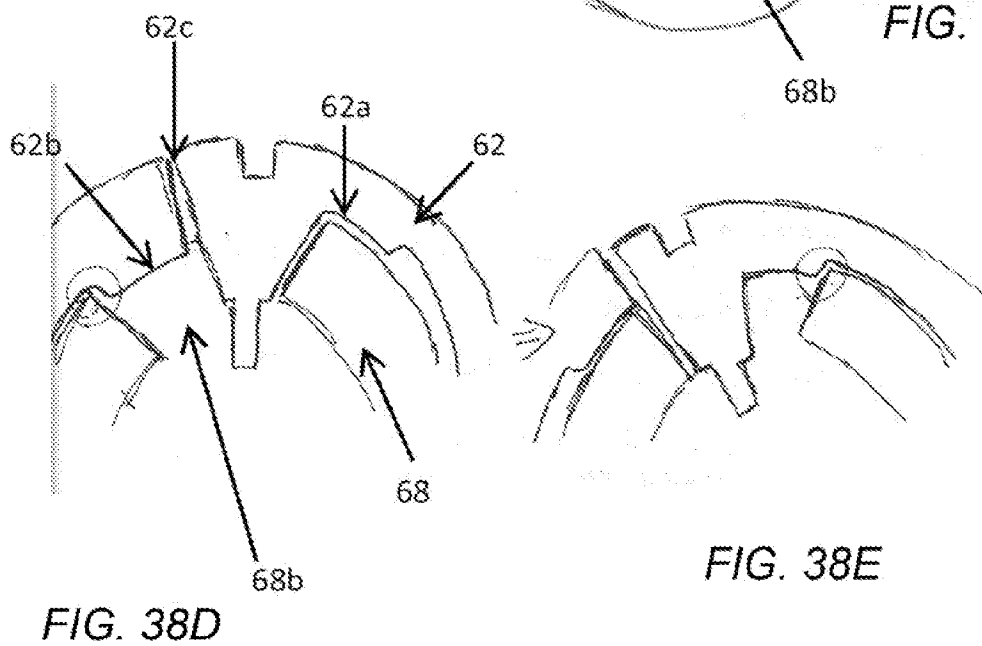
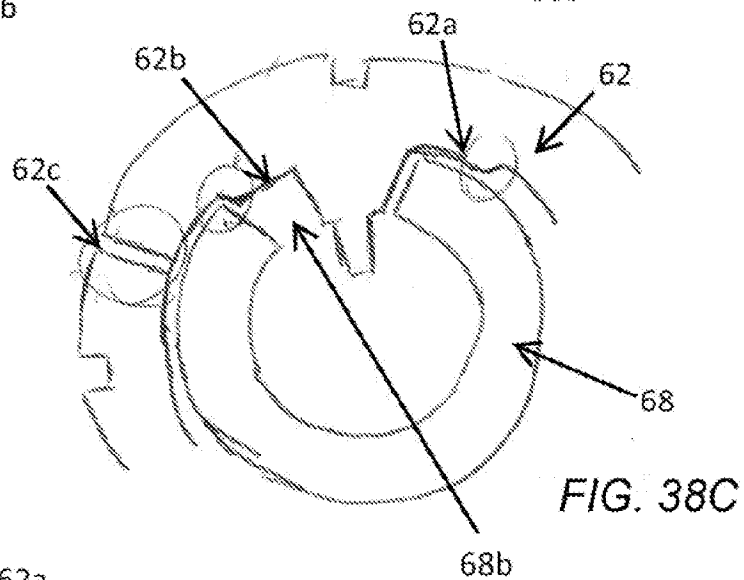
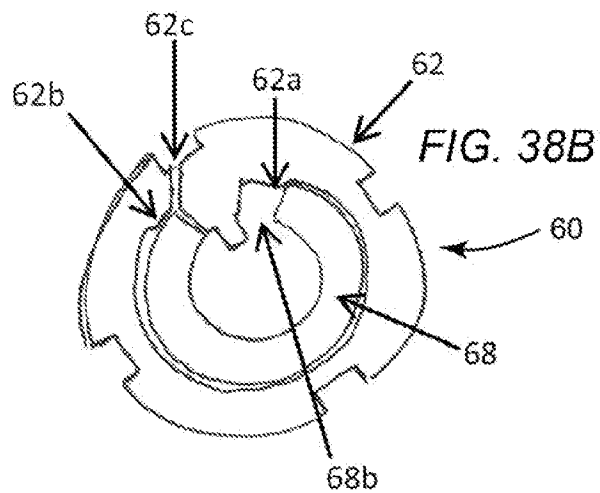
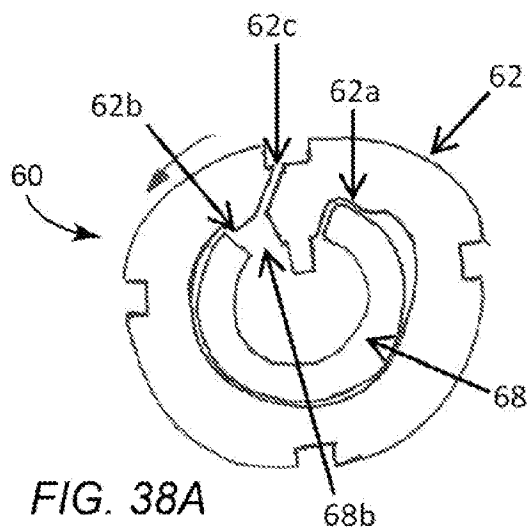


FIG. 36B





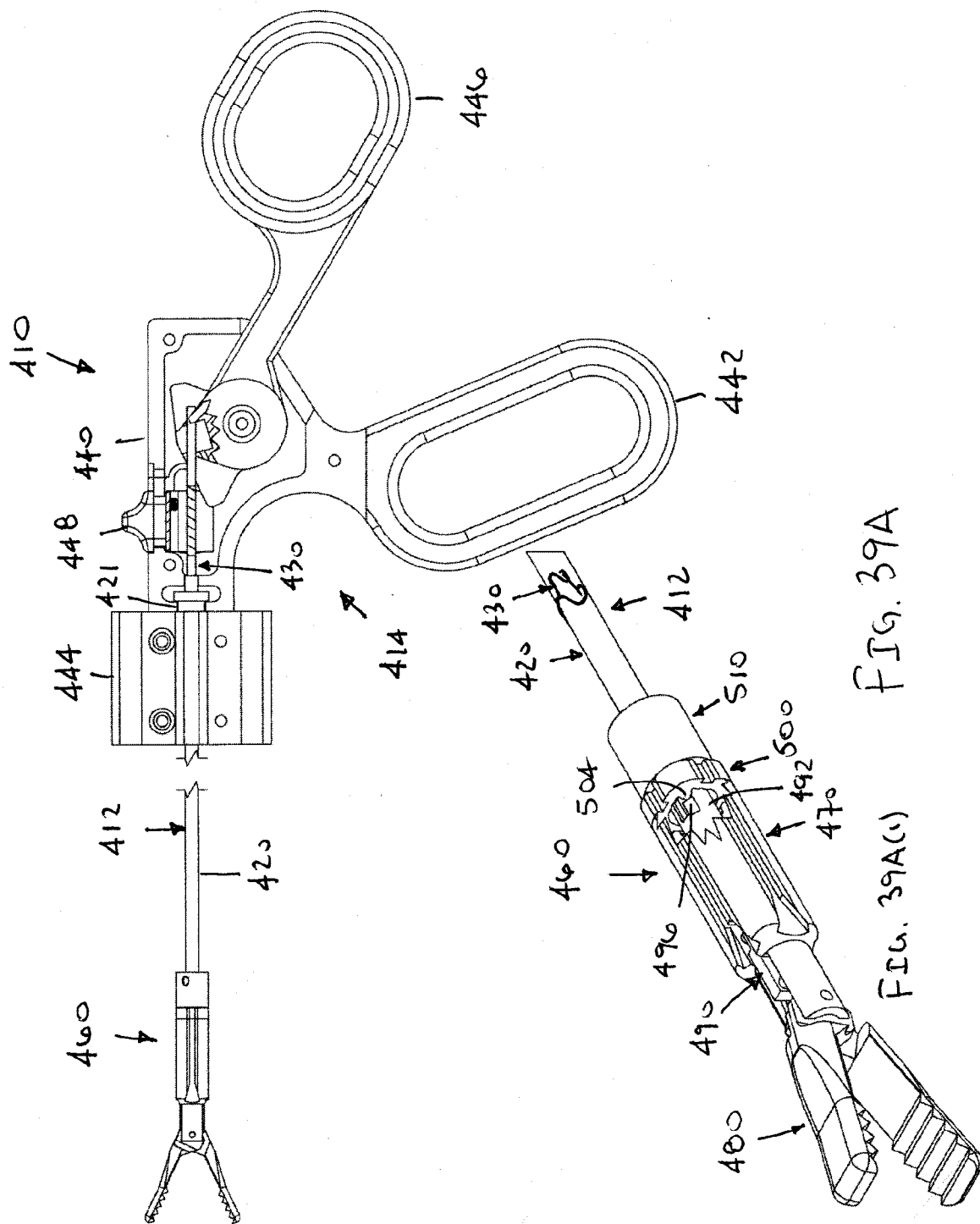
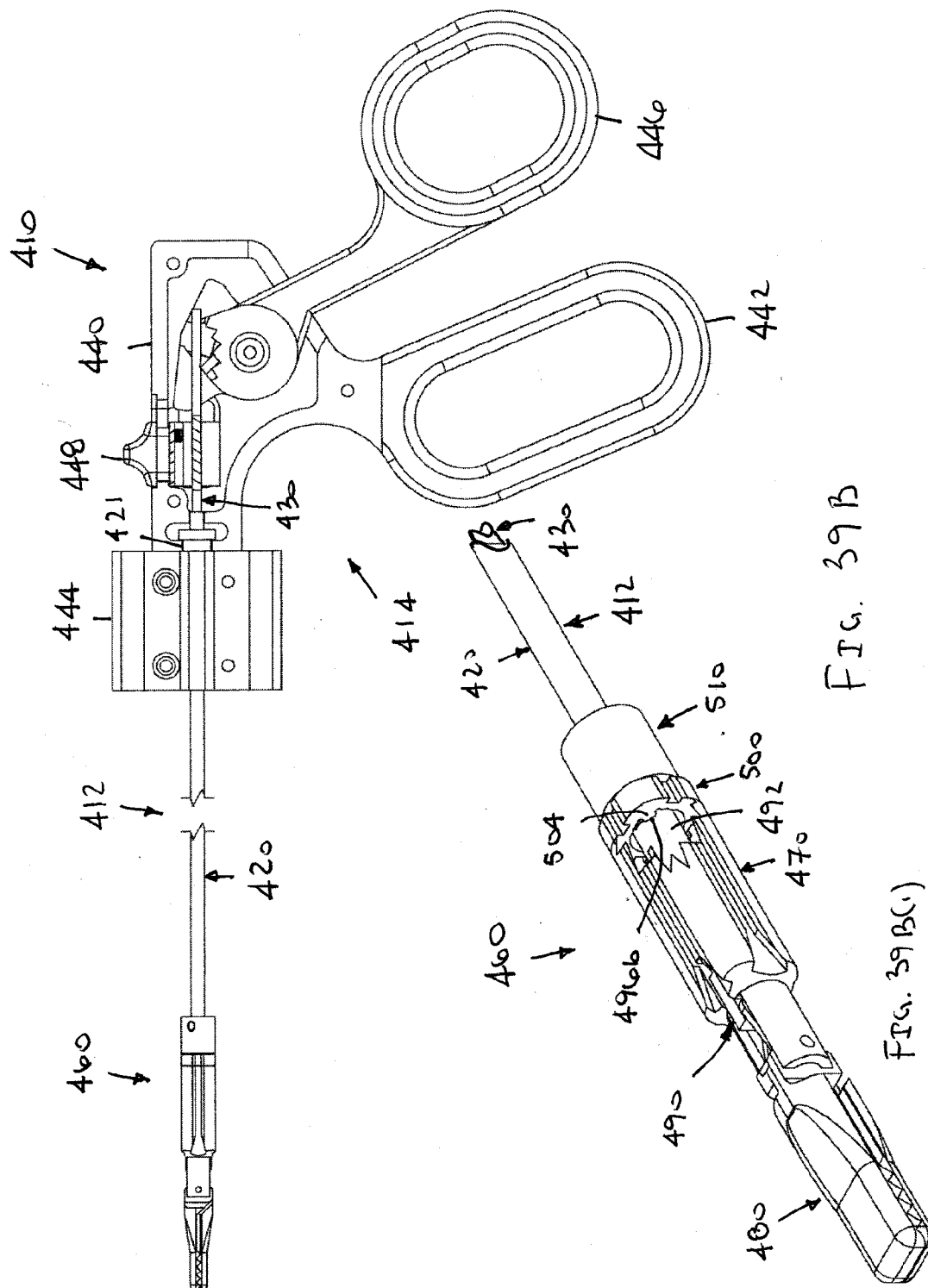
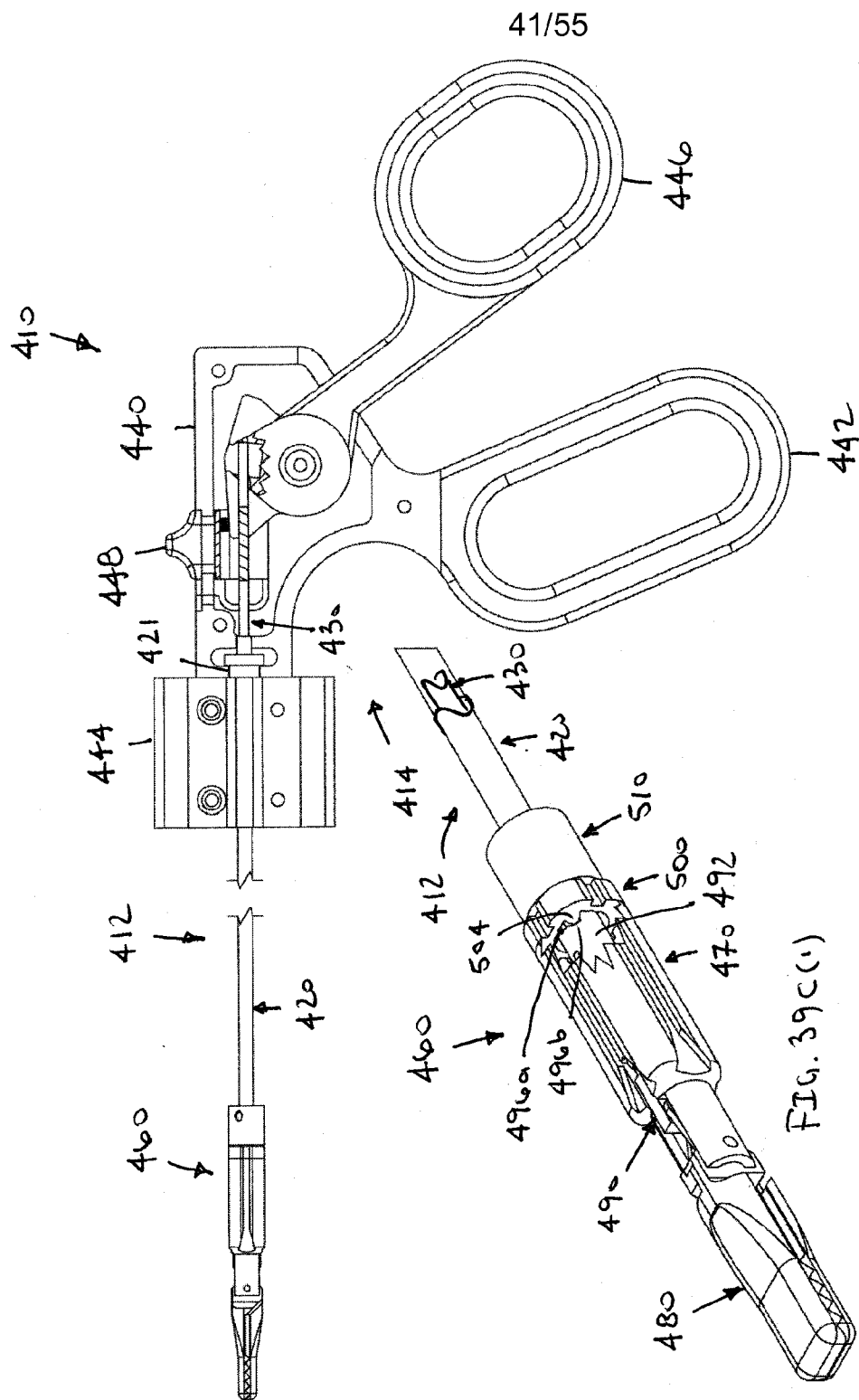
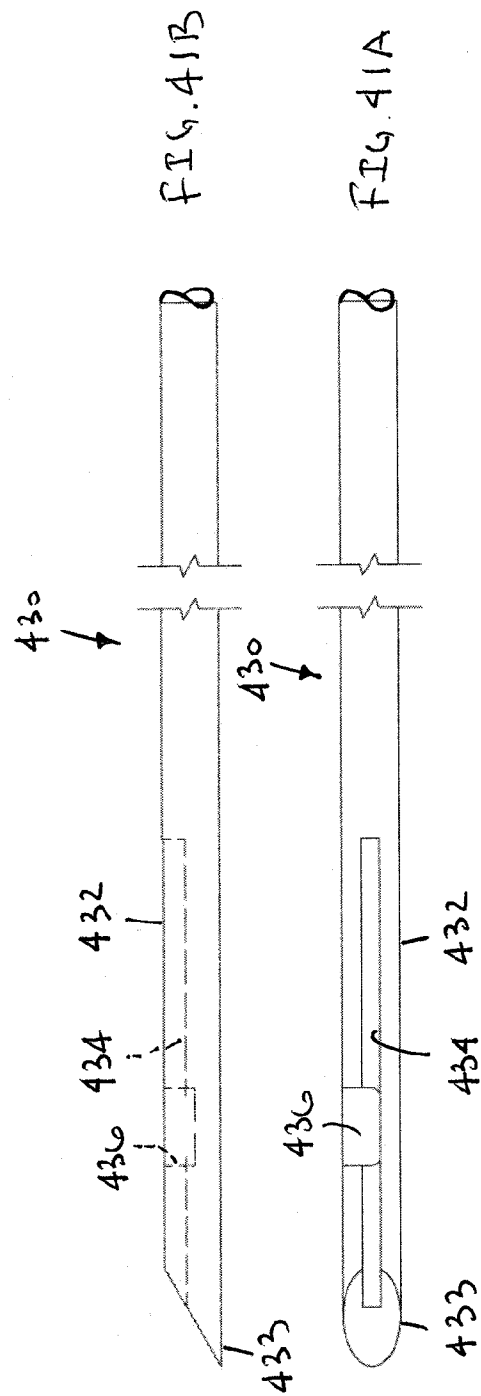
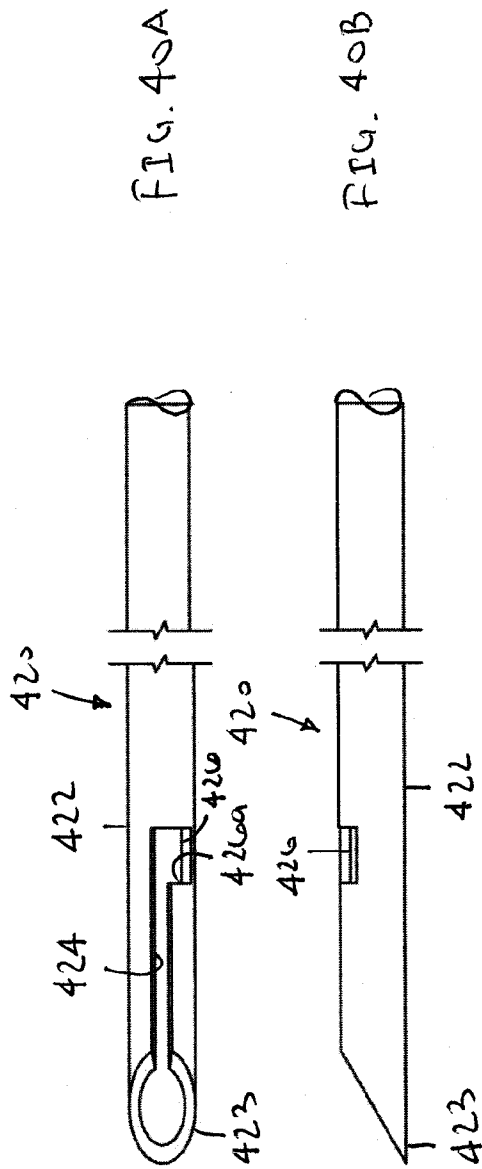


FIG. 39A

Fig. 39A(1)







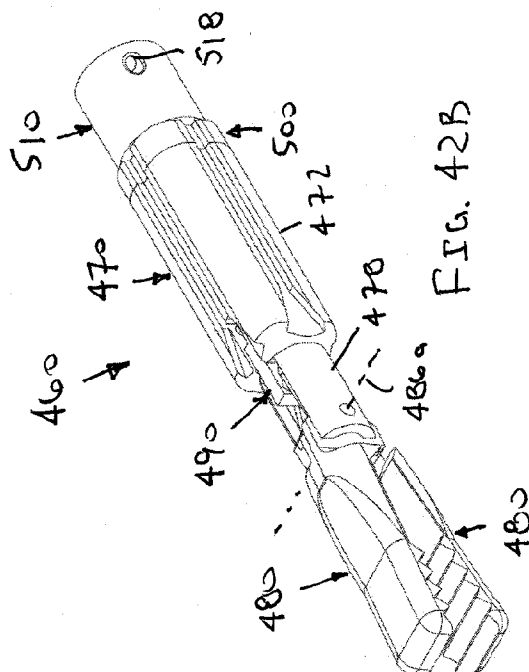


FIG. 42B

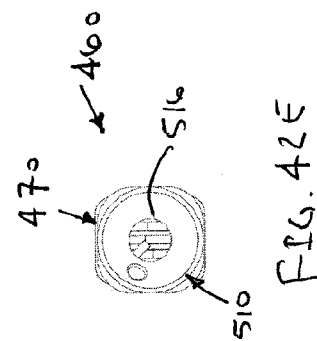


FIG. 42E

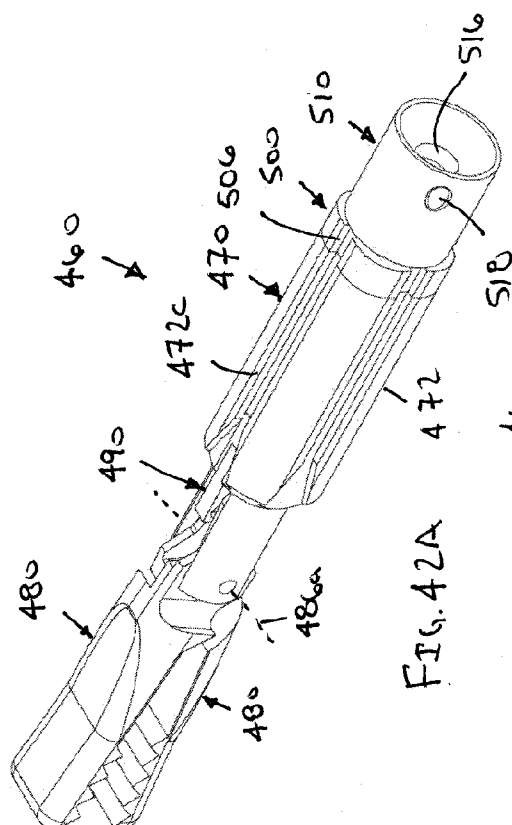


FIG. 42A

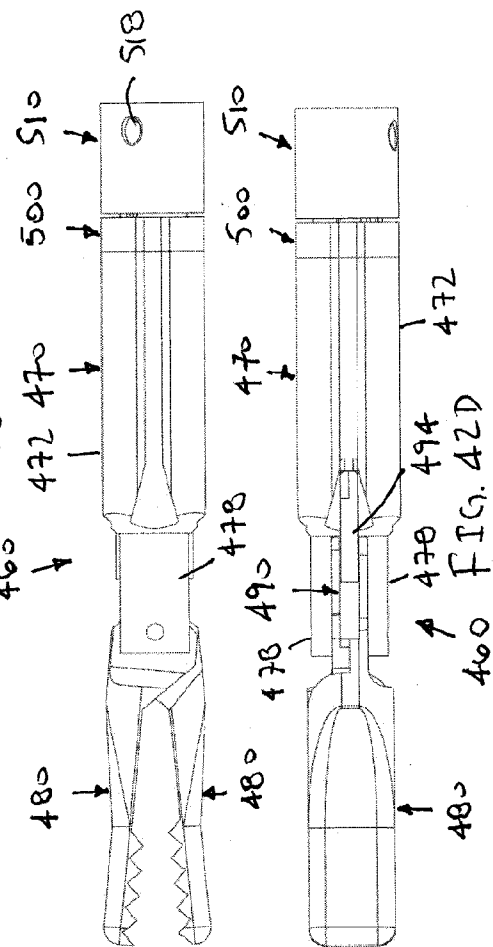


FIG. 42C

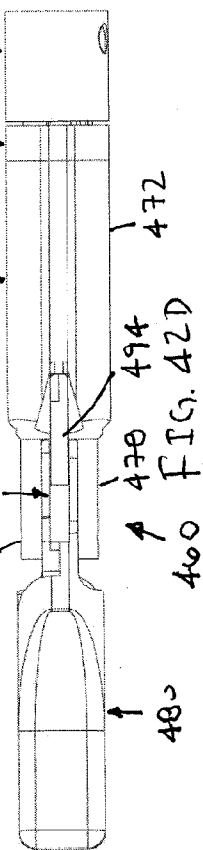
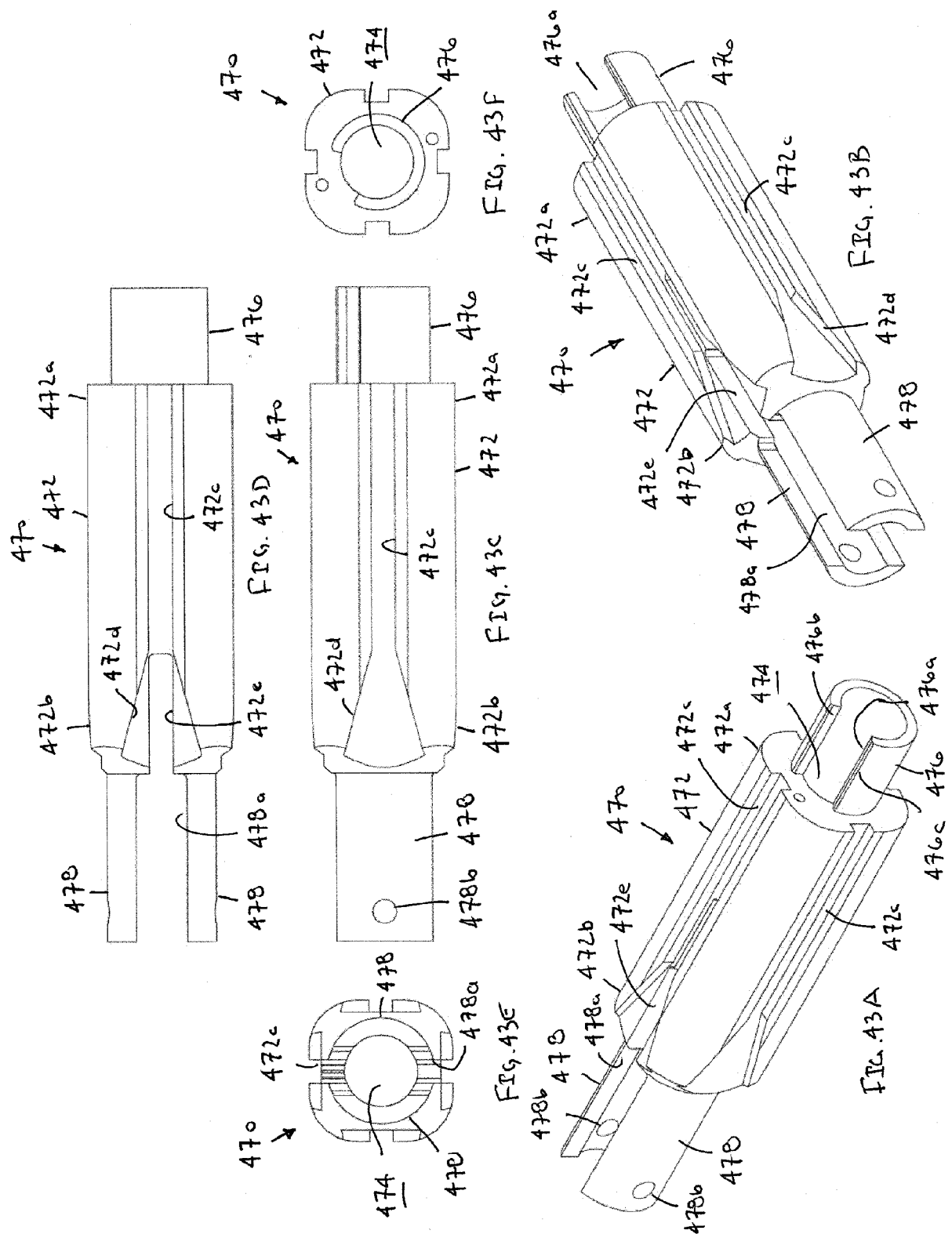
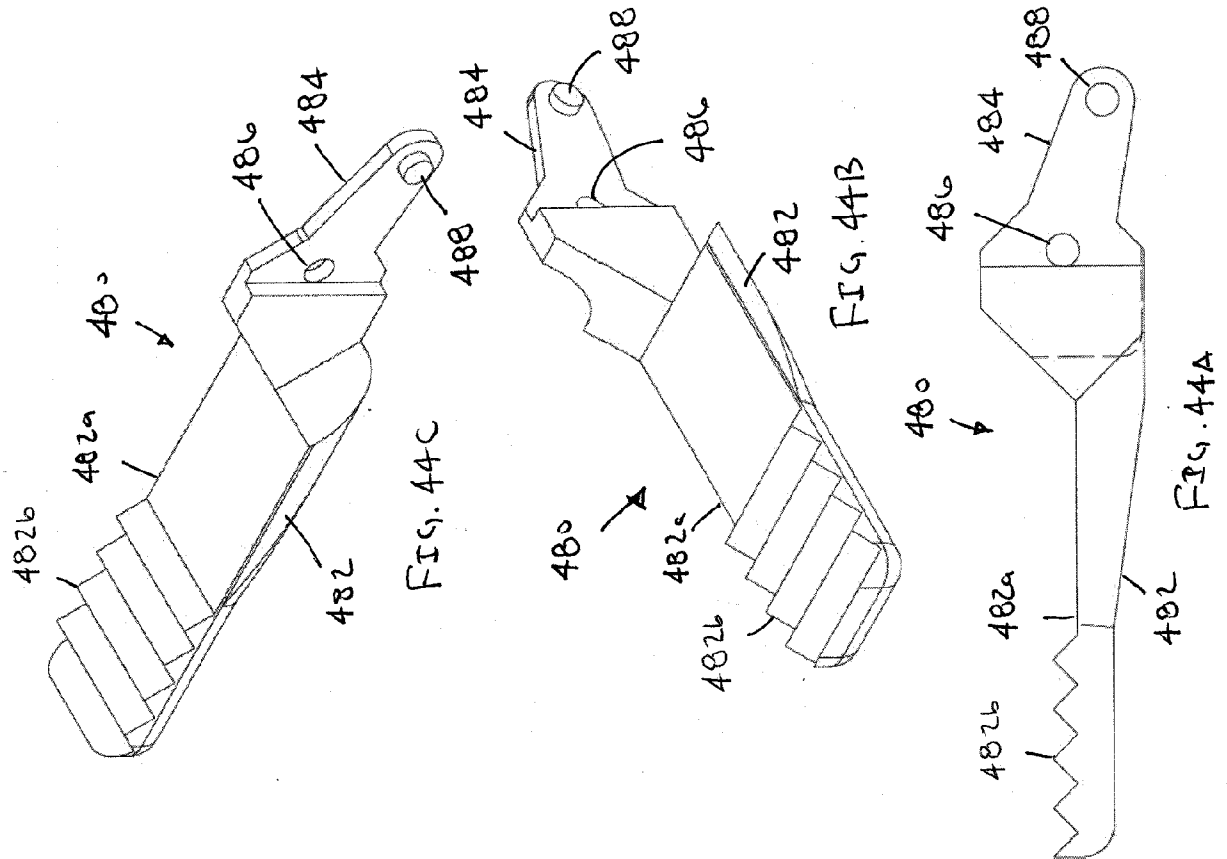
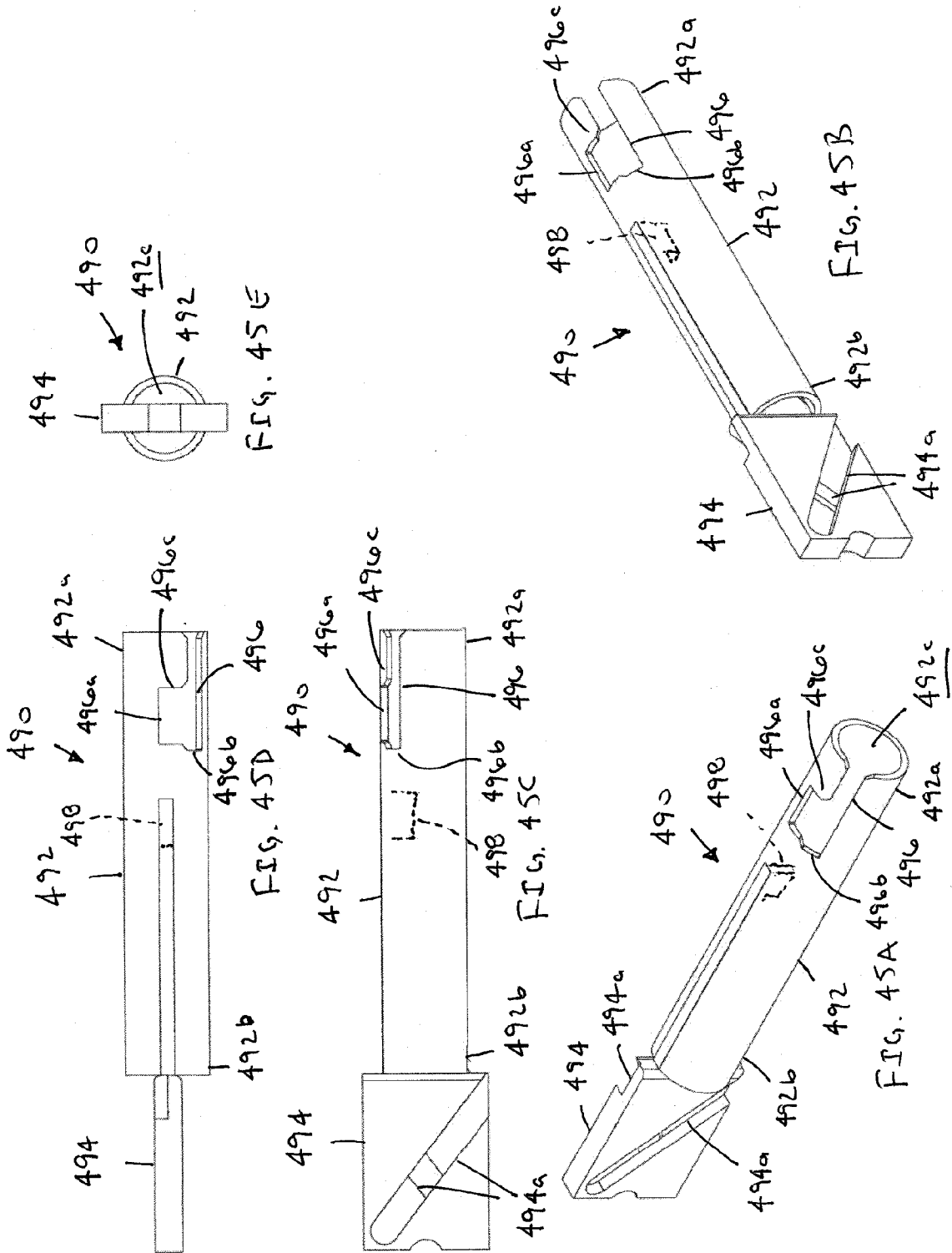


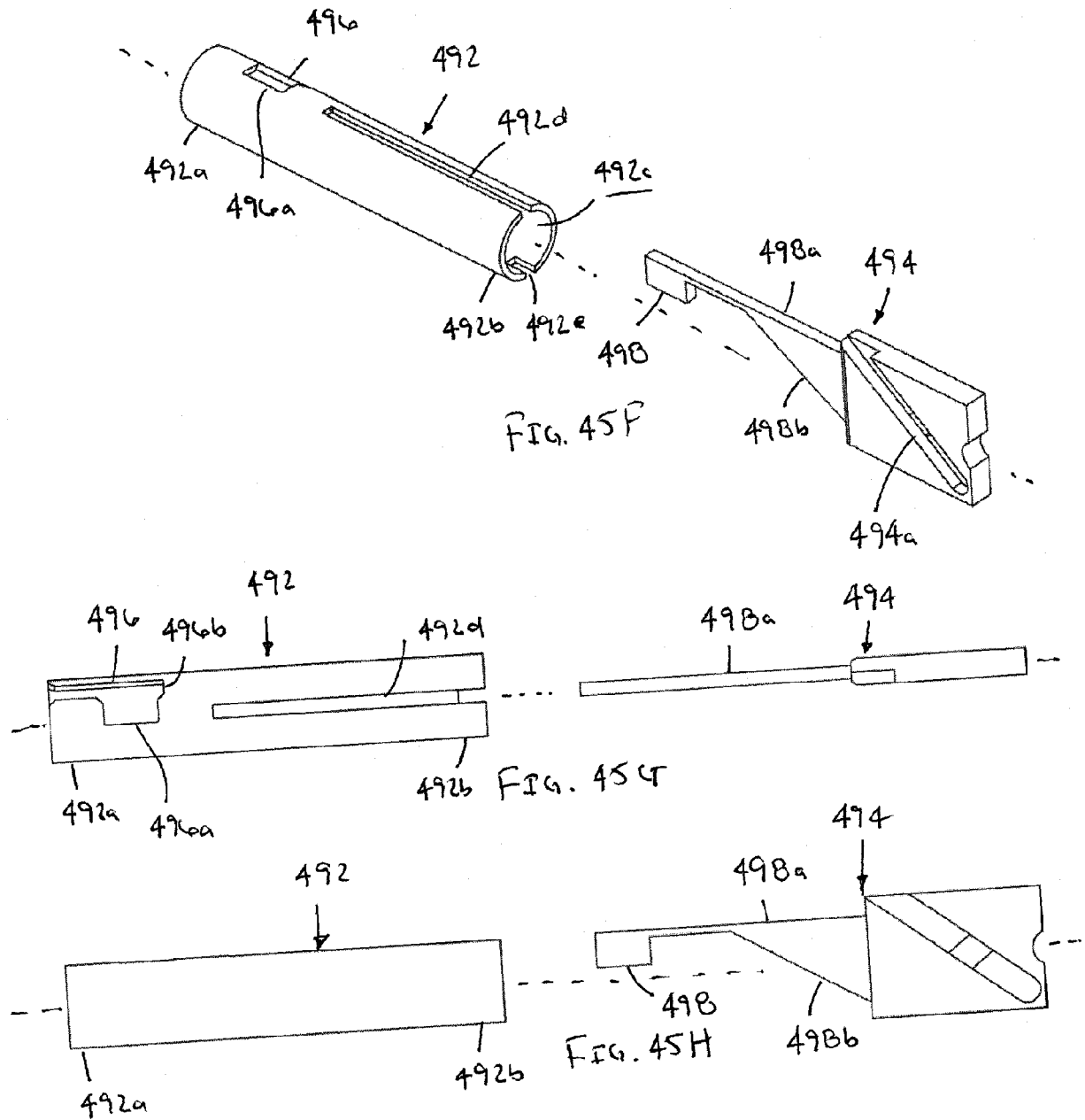
FIG. 42D

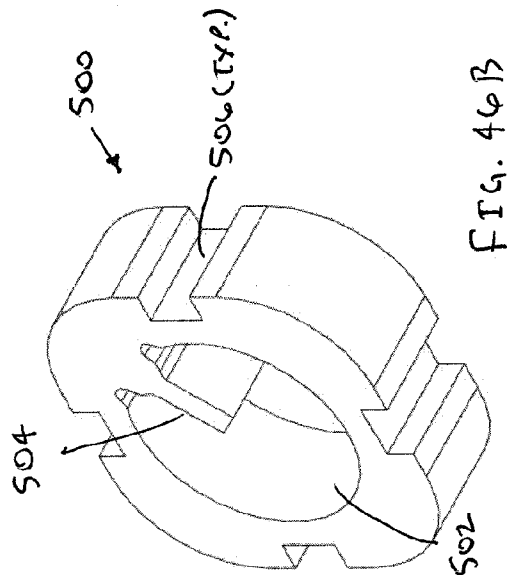
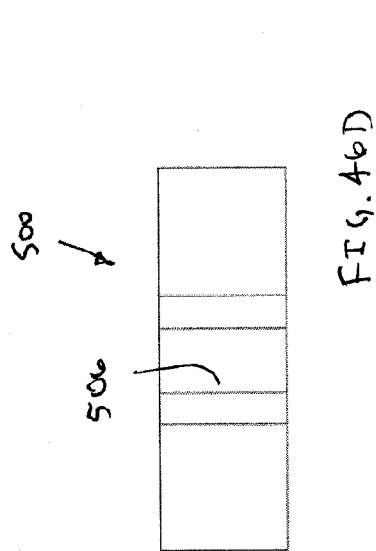
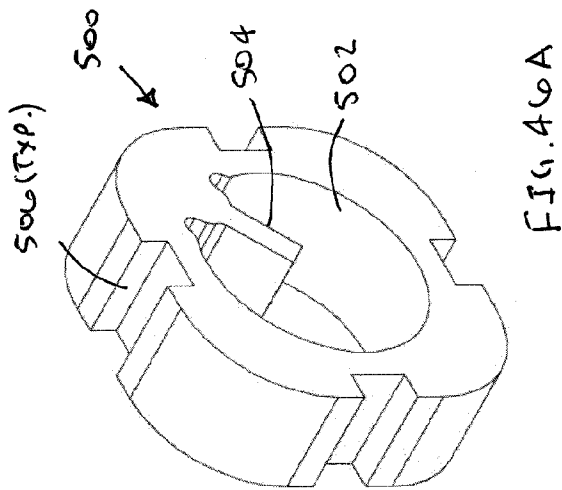
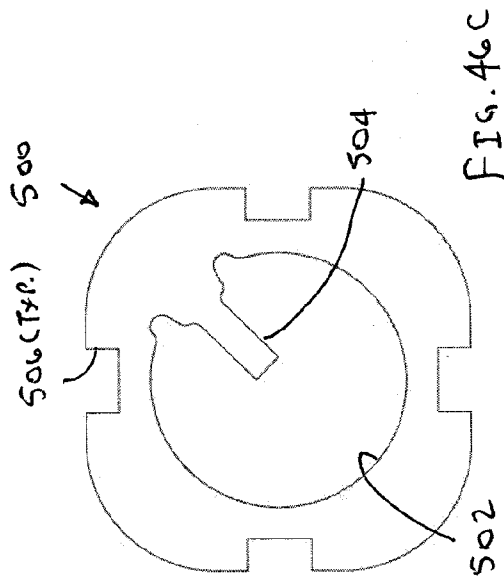


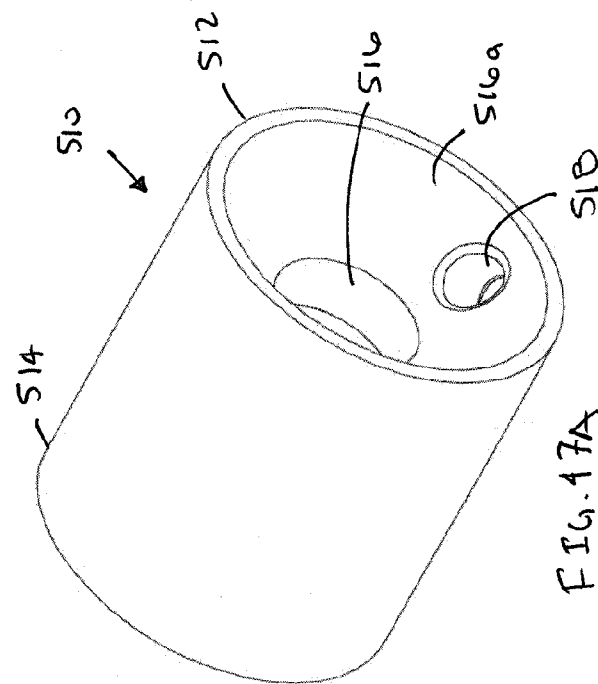
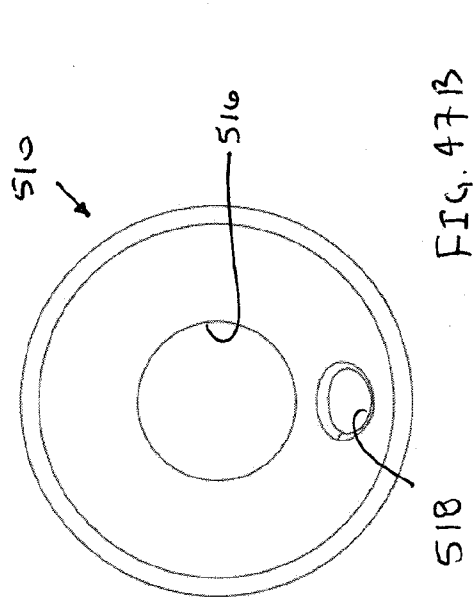


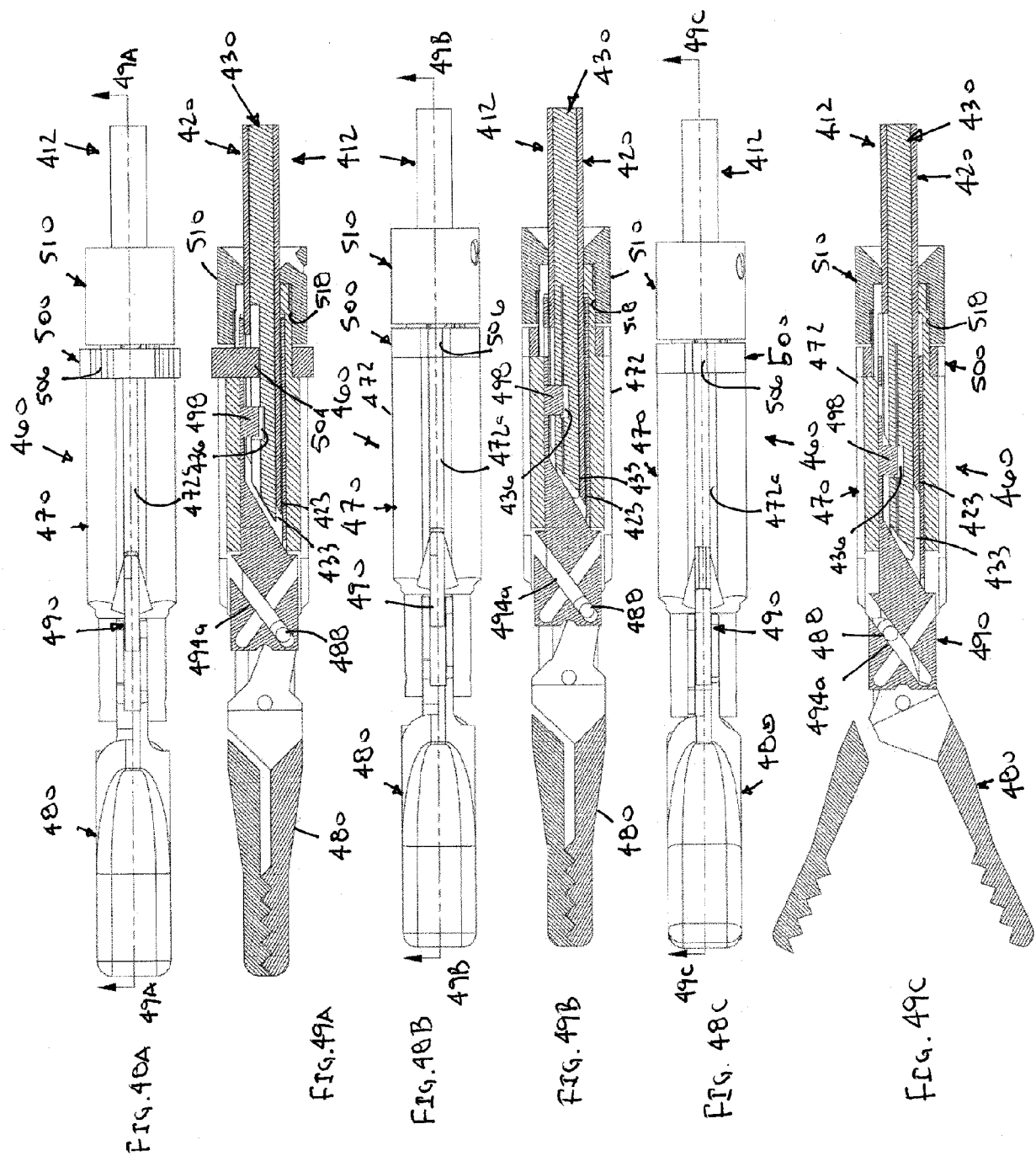


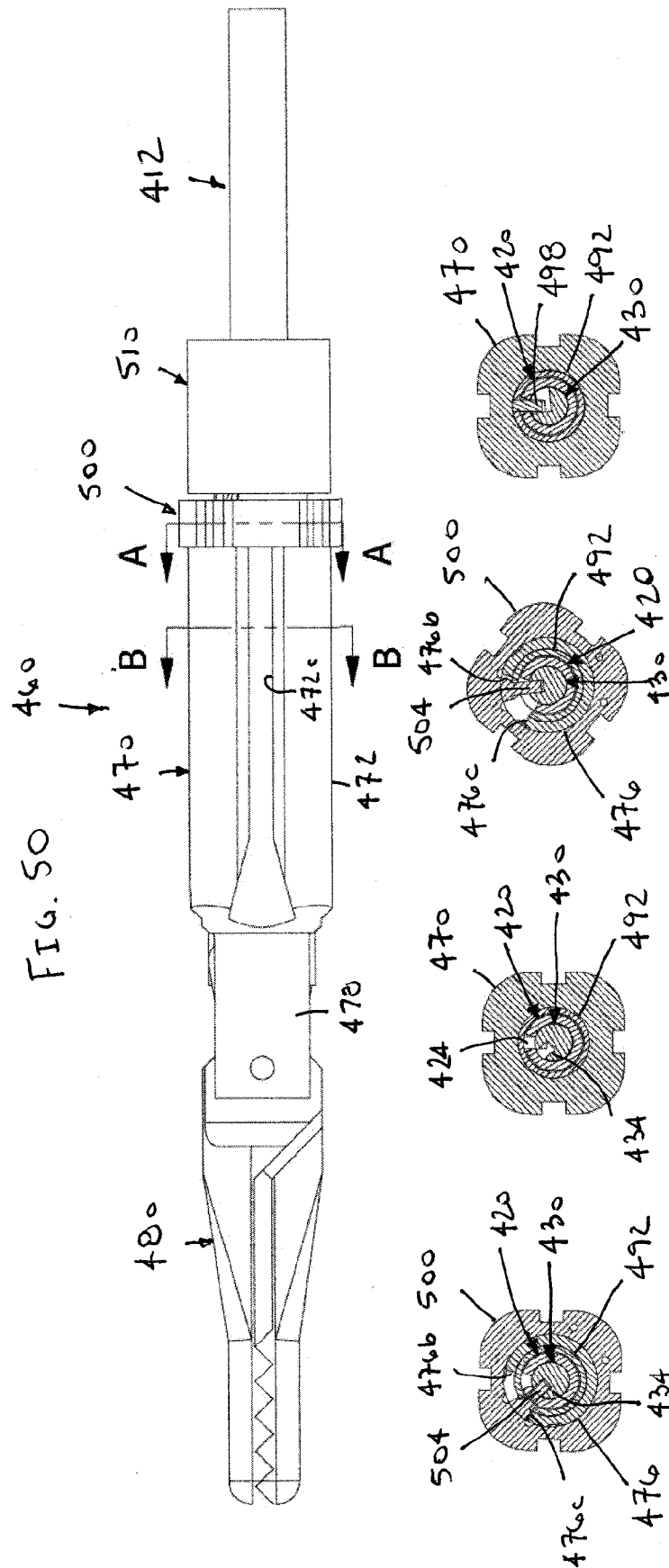
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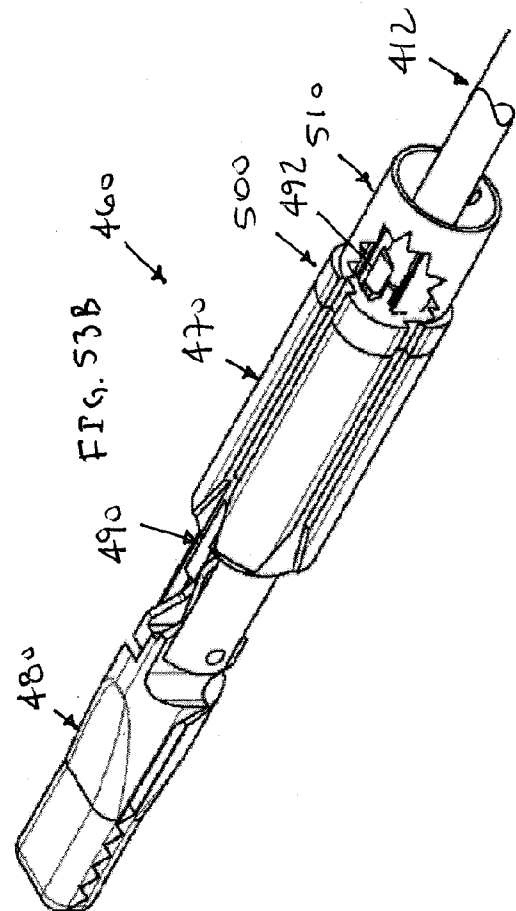
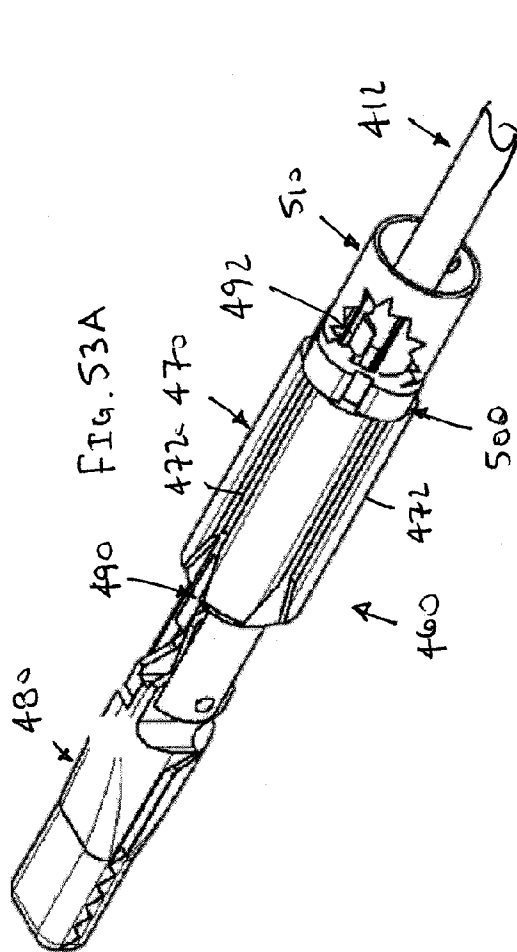
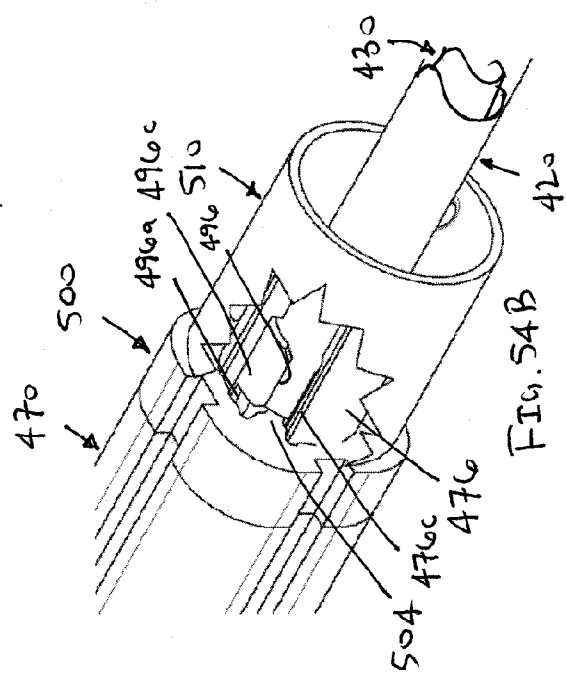
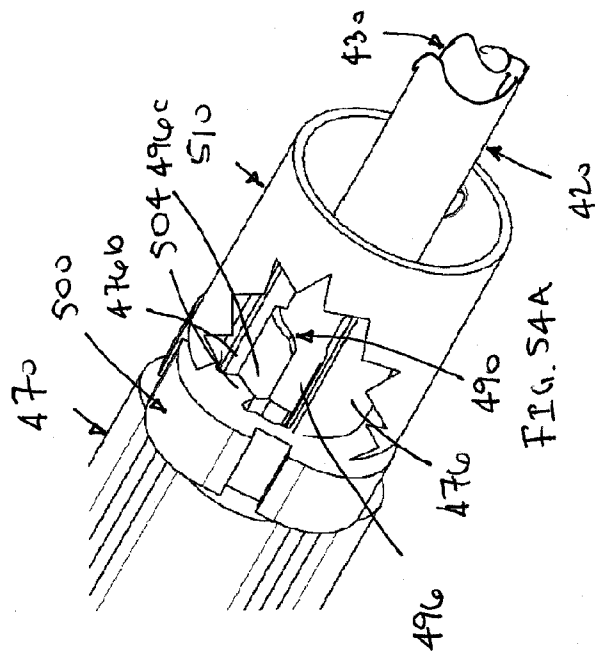




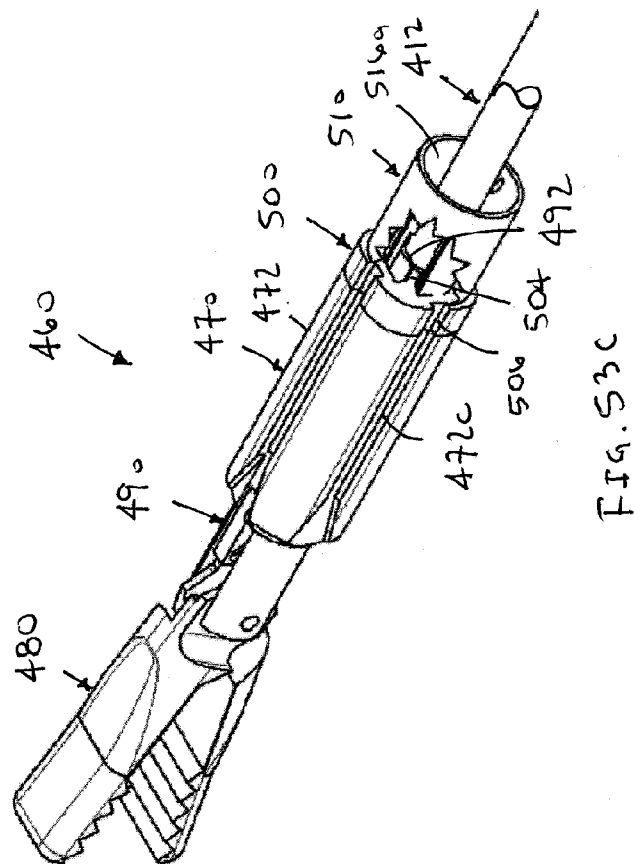
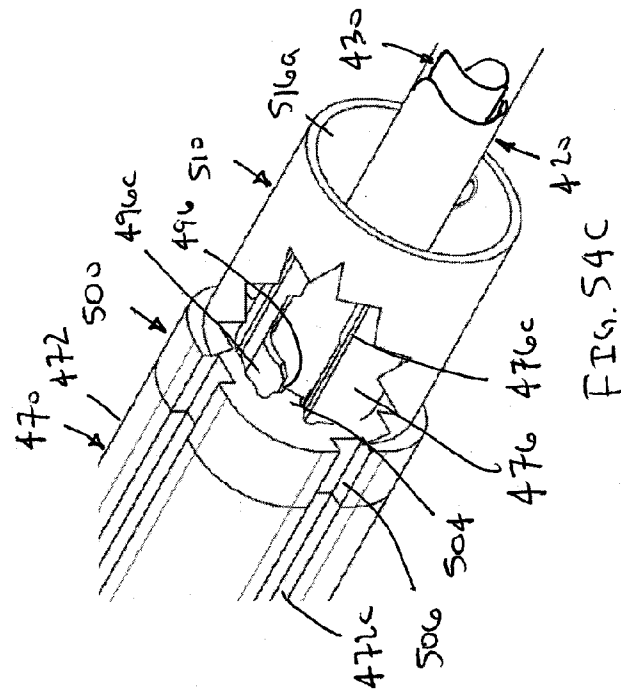


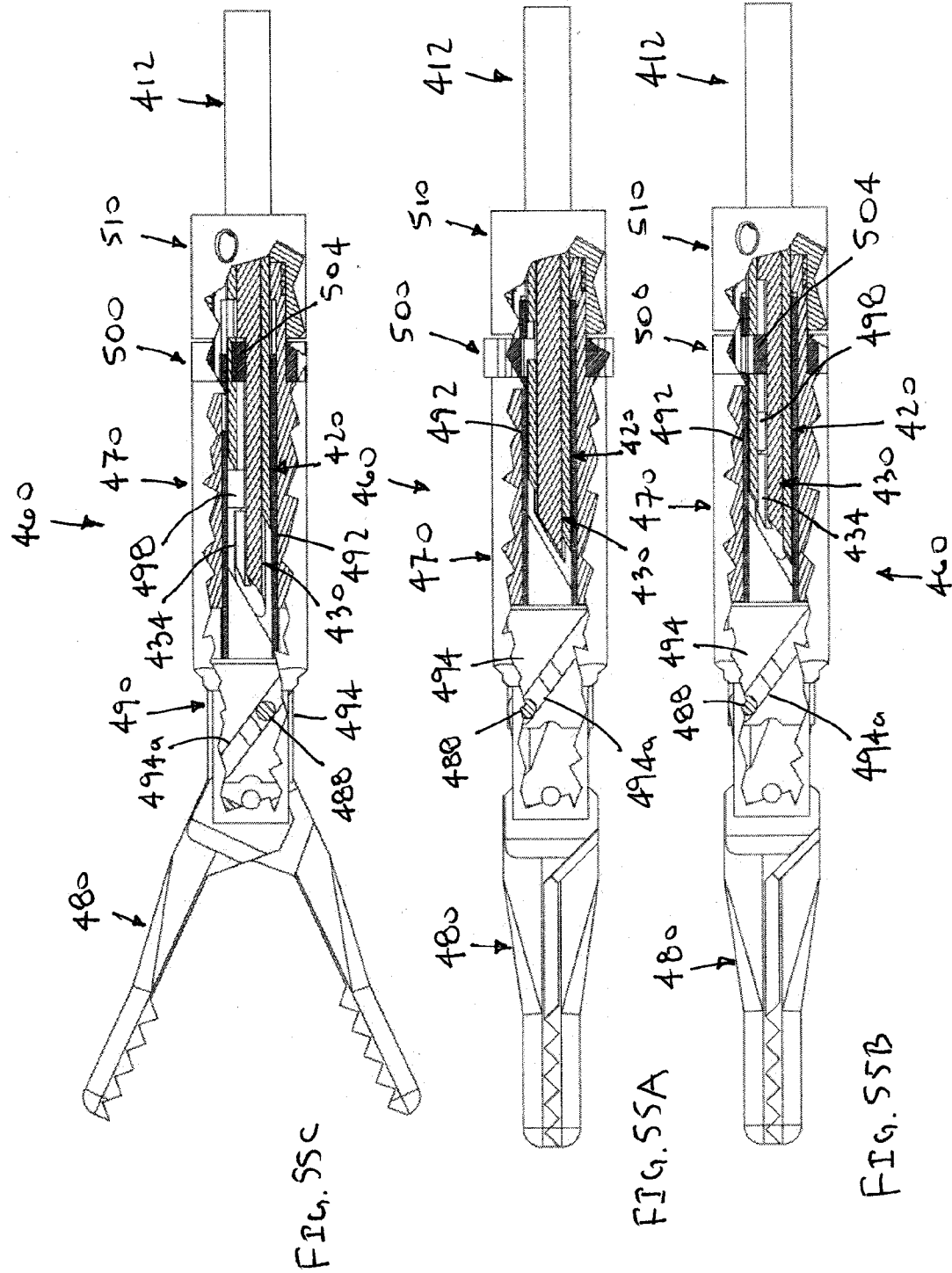


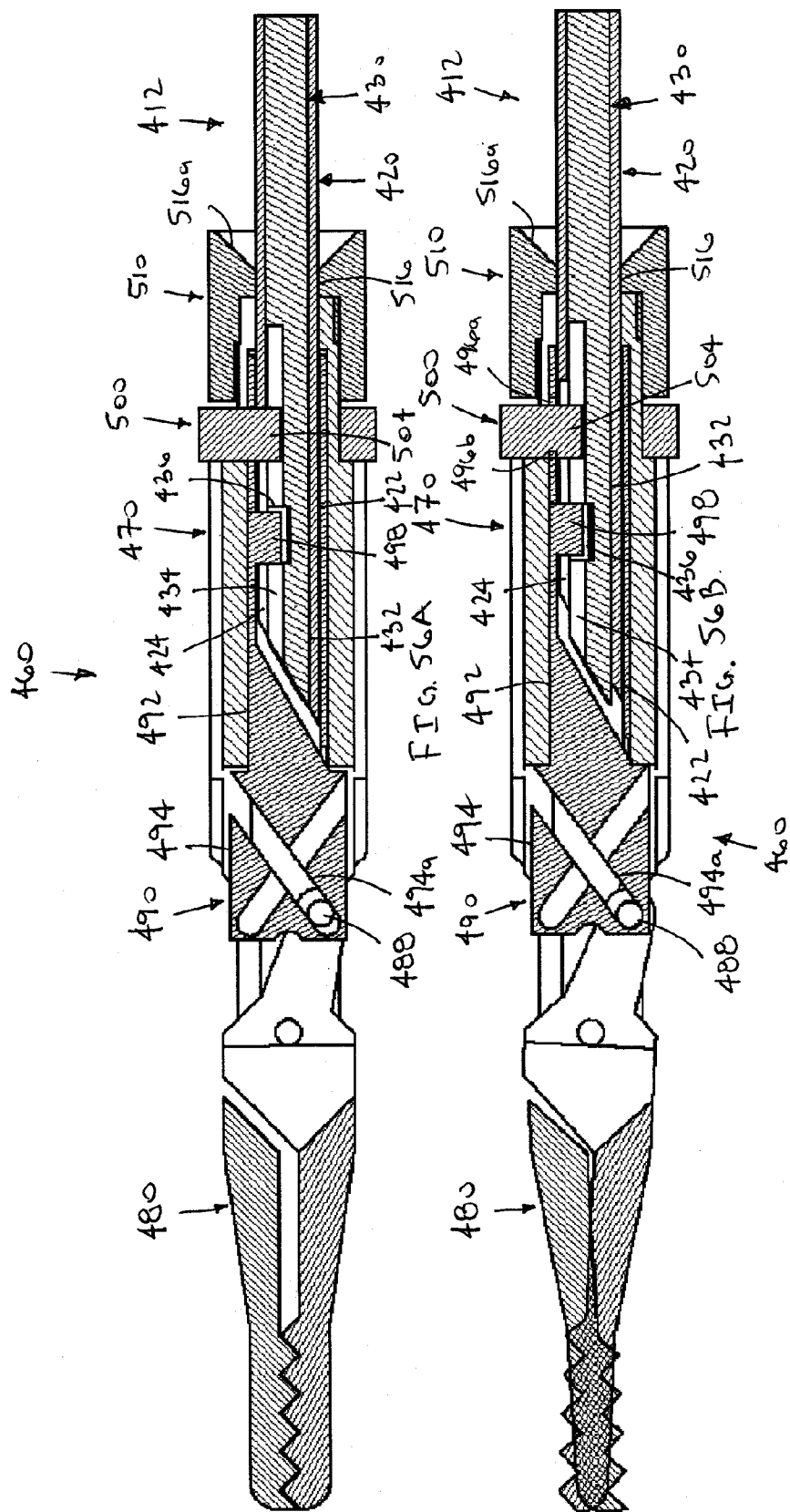




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专利名称(译)	用于执行腹腔镜手术的装置，系统和方法		
公开(公告)号	EP2675374A2	公开(公告)日	2013-12-25
申请号	EP2012747562	申请日	2012-02-14
[标]申请(专利权)人(译)	斯坦福大学		
申请(专利权)人(译)	THE利兰·斯坦福短期大学大学董事会		
当前申请(专利权)人(译)	THE利兰·斯坦福JUNIO的董事会		
[标]发明人	PELL CHRISTOPHER STEVEN DUGGAN BRYAN J DONG HATTIE ZHI CHEN RUBY THOMAS ROOP JOHN AVI TICKER JONATHAN B LAU JAMES N CHAO KEVIN		
发明人	PELL, CHRISTOPHER STEVEN DUGGAN, BRYAN J. DONG, HATTIE ZHI CHEN RUBY, THOMAS ROOP, JOHN AVI TICKER, JONATHAN, B. LAU, JAMES N. CHAO, KEVIN		
IPC分类号	A61B17/34 A61B17/29 A61B17/94		
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代理机构(译)	博尔特WADE TENNANT		
优先权	61/442788 2011-02-14 US		
其他公开文献	EP2675374A4 EP2675374B1		
外部链接	Espacenet		

摘要(译)

公开了用于腹腔镜腹部手术的装置，系统和方法。例如，提供了一种系统或套件，用于在患者体内的手术空间内执行包括多个工具头的手术，以及包括用于可拆卸地接收一个或多个工具头的特征的工具头支架，工具头支架的尺寸通过套管针或其他端口引入手术室。该系统或套件还可以包括手术工具，该手术工具包括可引入手术空间中的工具轴，并且包括用于将工具头固定到工具的特征。可选地，工具头支架可包括用于将工具头支架固定到内窥镜的夹子。

