

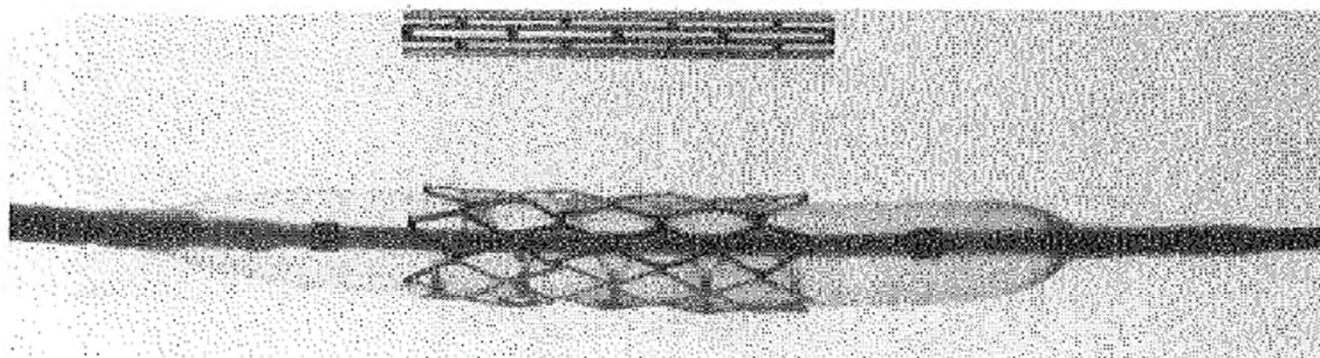
***EDWARDS LIFESCIENCES CO***  
***Petitioner***  
***v.***  
***BOSTON SCIENTIFIC SCIMED, I***  
***Patent Owner***

**IPR2017-00444**  
**Patent 6,915,560**

**Patent Owner's Presentation**

Edwards Lifesci  
IPR2017-00444

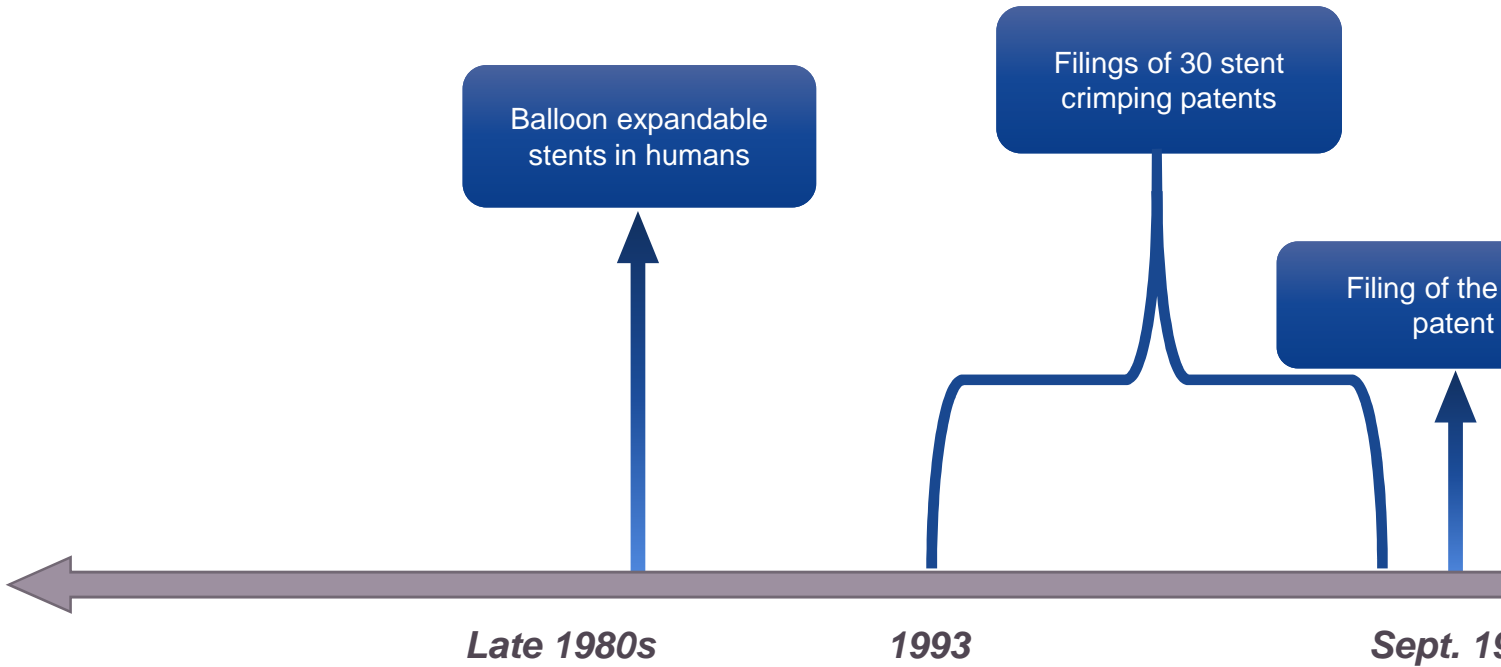
## The Early Days



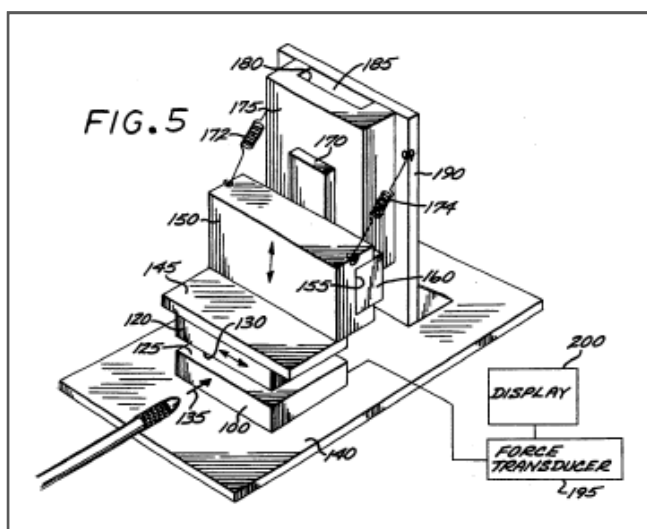
**Figure 1.8:** **Balloon expandable intravascular stent.** Collapsed, the stent fits over a standard coronary angioplasty catheter. Inflation of the balloon results in expansion of the rectangular slot into a diamond configuration. (From Schatz RA, Palmaz JC, Tio J, Garcia F, Garcia O, Reuter SR. Balloon-expandable intracoronary stents in the aorta. *Circulation* 1987; 76: 450–57.)

Ex. 2023 at 8; Ex. 20

# Timeline of Balloon Expandable Stents And Stent Crimping

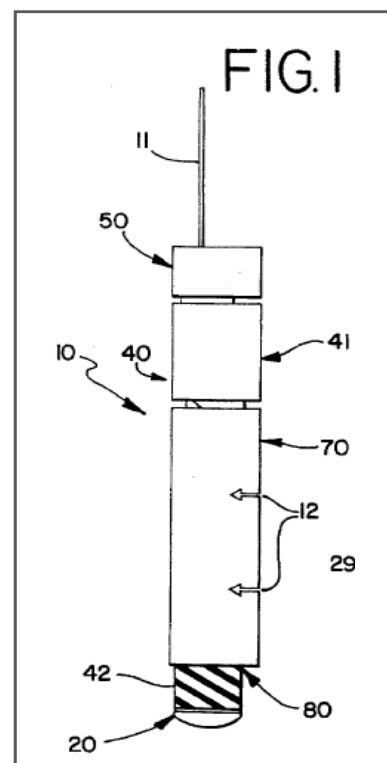


# The Early Days Of Stent Crimping



In other embodiments of the present invention, the stent-loading device is made of sliding plates having flat surfaces that allow a stent carrying catheter to be received in between them. The surfaces are moved relative to one another to apply force uniformly to the outside of the stent disposed on the catheter, allowing the stent to be crimped onto the outside of the catheter.

Ex. 2002 at 2:19-23; Paper 7 at 4; Ex. 2016 at Appendix D



surgical theater and (3) solve the inventor's problem. It has been found that a device which has, among other things, a collet for radially crimping a stent in a surgical theater about a catheter and a collet compressing the stent causes the collet to effect such crimping in the surgical theater stated above. Examples of collet contact are found in tools such a drills and screws.

Ex. 2003 at 2:23-29; Paper 7 at 4; E

# The Early Days Of Stent Crimping

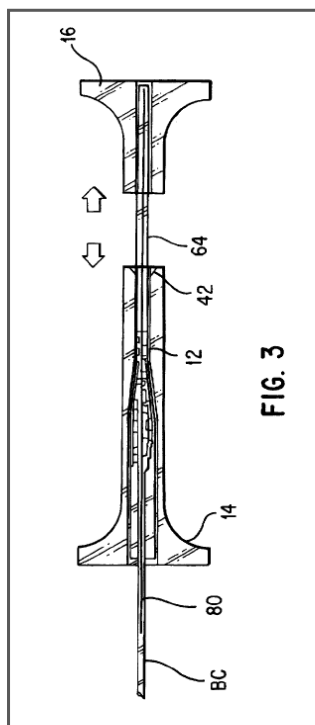
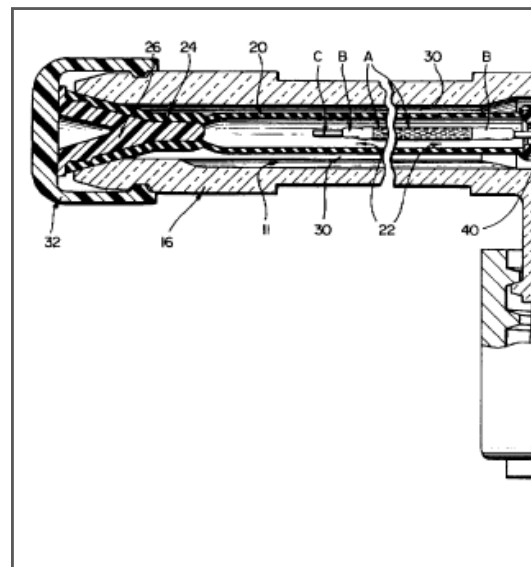


FIG. 3

According to the present invention, the loading of the stent onto the balloon catheter occurs by applying a uniform radially inward force on the stent which causes it to become crimped onto the distal end of the balloon catheter. The stent

Ex. 2004 at 1:33-44; Paper 7 at 4; Ex. 2016 at Appendix D



In accordance with the present invention, the crimping instrument and method for partially crimping a stent onto a surgically securing and conforming a vascular angioplasty balloon, includes a housing containing pressurized fluid and an elastic enclosing member within the housing and having an internal chamber arranged to receive the stent disposed on the distal end of the balloon catheter for secured compression. A piston

Ex. 2005 at Abstract; Paper 7 at 4; Ex. 2016 at Appendix D

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