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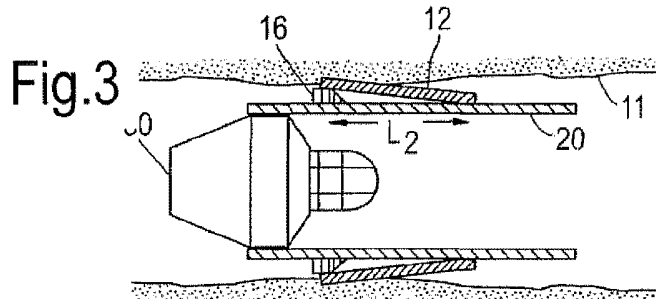
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(56) Documents Cited by ISA:  
**US 7104322 B2** **US 6789622 B1**  
**US 6622789 B1** **US 20090151930 A1**  
**US 20060124295 A1**  
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(54) Title of the Invention: **System and method for anchoring an expandable tubular to a borehole wall**  
Abstract Title: **System and method for anchoring an expandable tubular to a borehole wall**

(57) The present invention provides a system for anchoring an expandable tubular to a borehole wall. The system comprises a support member having a first end fixed relative to the outside of the tubular and a second end comprising a ramping surface. An anchor member has a first end fixed relative to the outside of the tubular and a second end extending toward the support member, said second end being movable relative to the outside of the tubular. Said support member includes a ramp surface that tapers in the direction of said anchor member. Expansion of the portion of the expandable tubular between the first support end and the first anchor end causes the axial device length to shorten, wherein the difference in length is sufficient to cause the second anchor end to move radially outward and engage the borehole wall as a result of engagement with said ramping surface.



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