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(54) **APPARATUS AND METHODS FOR
ENDOLUMINAL GRAFT PLACEMENT**

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(58) **Field of Classification Search** 623/1.1, 623/1.11-1.54; 606/108, 190-200, 151-156
See application file for complete search history.

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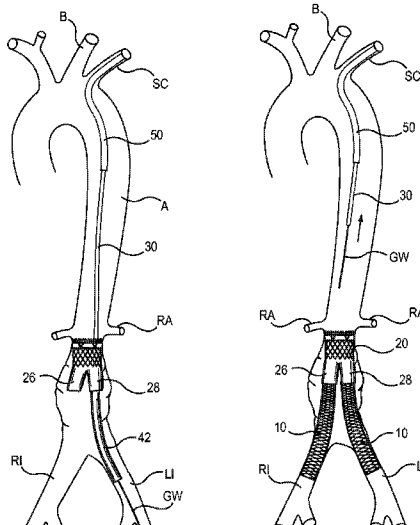
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(57) **ABSTRACT**

A vascular graft comprises a perforate tubular compressible frame having a fabric liner disposed over at least a portion of the frames lumen. The graft may be used in combination with a base structure to form a bifurcated graft in situ. The base structure compresses a compressible frame having a fabric liner which defines a pair of divergent legs. The base structure is positioned within the aorta so that one leg enters each iliac. The tubular grafts can then be introduced into each leg to form the bifurcated structure. A graft delivery catheter includes a controllably flared sheath which facilitates recapture of a partially deployed graft.

11 Claims, 14 Drawing Sheets



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