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D'Hulster

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(54) **SCRIM-ENFORCED PIPE LINER**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1012 days.

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(65) **Prior Publication Data**

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Related U.S. Application Data

(57) **ABSTRACT**

(60) Provisional application No. 61/164,006, filed on Mar. 27, 2009.

Stretch-resistant liners for lining pipes, pipes lined with stretch-resistant liners, and methods for lining pipes with stretch-resistant liners. The liners are made from a lamination that includes a sealing layer, a strength layer of stretch-resistant woven material that overlies the sealing layer, a support layer of non-woven resin-impregnated material that overlies the strength layer, and a barrier layer that overlies the support layer. The lamination is rolled into a tube and inverted when inserted into a pipe so that the barrier layer is the layer that abuts the interior wall of the pipe, the support layer underlies the barrier layer, the strength layer underlies the support layer and the sealing layer underlies the strength layer is contacted by materials flowing through the pipe.

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(52) **U.S. Cl.**
USPC **138/98**; 138/97; 138/124; 264/269; 156/287; 405/184.2; 405/150.1

(58) **Field of Classification Search**
USPC 138/98, 97, 125; 264/516, 36.17; 405/150.1, 184.2; 156/287, 294
See application file for complete search history.

8 Claims, 1 Drawing Sheet

