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Mosher et al.

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(54) **TENSION MEMBER FOR ELEVATOR SYSTEM**

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(58) **Field of Classification Search**

CPC **B66B 7/062**; **B66B 9/00**
See application file for complete search history.

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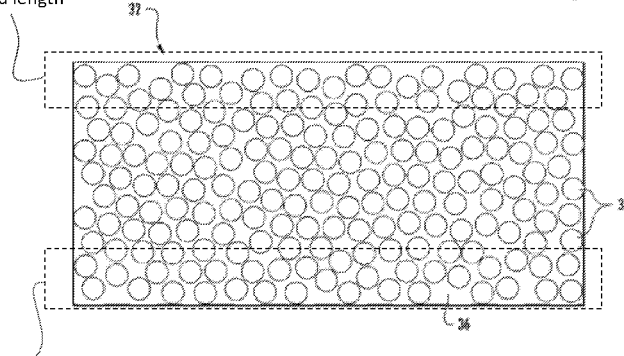
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(57) **ABSTRACT**

A load bearing member is provided including at least one load bearing segment having a plurality of load carrying fibers arranged within a matrix material. At least a portion of the load bearing member has a radius of curvature when the load bearing member is untensioned.

17 Claims, 5 Drawing Sheets

Load carrying fibers at outer radius have longer untensioned length



Load carrying fibers at inner radius have shorter untensioned length