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**Bloemendaal**

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(54) **GRAIN BIN SENSOR CABLE FORMING METHOD**

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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 556 days.

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CPC ..... **B29C 43/52** (2013.01); **B29C 43/18** (2013.01); **B29L 2031/3462** (2013.01); **B29L 2031/707** (2013.01); **Y10T 29/4998** (2015.01); **Y10T 29/49778** (2015.01)

(58) **Field of Classification Search**

None  
See application file for complete search history.

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(57) **ABSTRACT**

A method and apparatus for forming a grain bin sensor cable including a plurality of mold members defining a mold cavity. A pre-formed cable with wires disposed therein is placed into the mold cavity, heated, and formed into a post-formed cable. The post-formed cable includes a recessed portion and a pair of end caps. Apertures are created within the recessed portion so as to expose a portion of the wires. The end caps are generally cone-shaped and include vertical walls. The post-formed cable is removed from the mold cavity and a sensor package is coupled to the wires exposed in the recessed portion and captured between the vertical walls of the end caps. A housing is coupled about the sensor package.

**14 Claims, 4 Drawing Sheets**

