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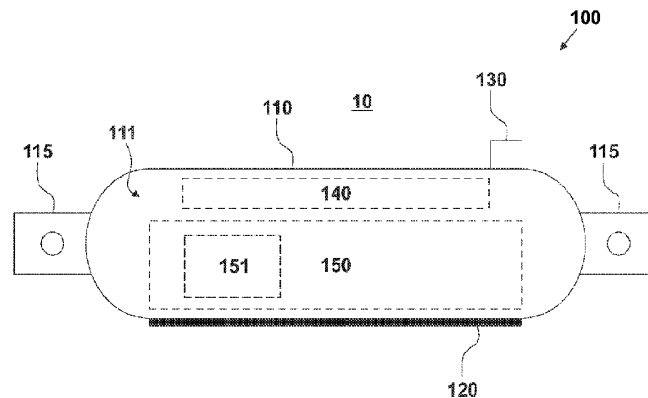
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**Fig. 1**



(57) Abstract: A device for cathodic protection (100) arranged to provide an impressed current cathodic protection of a metal element (10) configured to be immersed in an electrolytic environment. The device for cathodic protection (100) comprises a container body (110) comprising an inner chamber (111) and at least one conductive interface (115) arranged to be electrically connected to the metal element (10), an anode (120) integral to the container body (110) and having a portion which faces externally with respect to the container body (110), a reference electrode (130) integral to the container body (110) and having a portion which faces externally with respect to the container body (110), a direct current source (140) disposed in the container body (110) and comprising a negative pole, electrically connected to the conductive interface (115), and a positive pole, electrically connected to the anode (120), a control unit (150) disposed in the container body (110) and configured to measure an electric voltage  $\Delta V$  between the conductive interface (115) and

[Continued on next page]

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the reference electrode (130) when the device for cathodic protection (100) is immersed in an electrolytic environment. In particular, the device for cathodic protection (100) is configured in such a way that, when the control unit (150) detects an electric voltage  $\Delta V > \Delta V^*$ , where  $\Delta V^*$  is a predetermined threshold value, the direct current source (140) supplies an electric current  $I$  between the conductive interface (115) and the anode (120) such as to restore a condition  $\Delta V < \Delta V^*$ .