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VanDusseldorp

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[54] **VAPORIZING ROLLER FOR AN ELECTROSURGICAL PROBE**

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[76] **Inventor:** **Gregg A. VanDusseldorp**, 2177-A
Greenvalley Dr. Lake County, Crown
Point, Ind. 46307

Primary Examiner—Michael Powell Buiz
Assistant Examiner—Julian W. Woo
Attorney, Agent, or Firm—Gary M. Hartman; Domenica N. S. Hartman

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[57] **ABSTRACT**

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Related U.S. Application Data

A roller (20) for an electrocautery probe or electrode (30), such as of the type used with a resectoscope. The roller (20) generally has a conductive body with an axis of rotation (26) and a surface with a circular cross-section in a plane perpendicular to the axis of rotation (26). The roller (20) further includes surface features (22) for generating circular-shaped areas of focused current concentration (24) in a radial direction relative to the axis of rotation (26) of the roller (20). For this purpose, recesses can be formed in the surface of the roller (20), with each recess defining a circular-shaped edge at the roller surface. Examples of suitable recesses include cylindrically-shaped perforations and concave impressions in the surface of the roller (20).

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[51] **Int. Cl.⁶** **A61B 17/36**

[52] **U.S. Cl.** **606/46; 606/45; 606/49; 606/50**

[58] **Field of Search** 606/45, 46, 48, 606/49, 50, 41; 607/147

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20 Claims, 2 Drawing Sheets

