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(54) **HYDROENTANGLING JET STRIP DEVICE**
DEFINING AN ORIFICE

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451/75, 38-40; 28/104-106, 167; 239/266,
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See application file for complete search history.

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(57) **ABSTRACT**

A hydroentangling jet strip device is provided, wherein such a device comprises a plate member having opposing sides and defining at least one nozzle orifice extending between the opposing sides. Each of the at least one nozzle orifice includes an axially-extending capillary portion having an aspect ratio between a length of the capillary portion and a diameter of the capillary portion, wherein the aspect ratio is less than about 0.70 so as to be capable of providing a cavitation-free constricted waterjet.

17 Claims, 12 Drawing Sheets

