

SQUIRTER JET ULTRASONIC CLEANING

ABSTRACT OF THE DISCLOSURE

A method and device is for cleaning a hollow article and specifically a turbine blade assembly utilizes a tank filled with a cleaning material and a squirter transducer that is mounted to each turbine blade assembly. The squirter transducer
5 assembly includes an agitator that is inserted within the opening of the turbine blade assembly to be disposed within the turbine blade cavity. Ultrasonic waves are then emitted by the transducer and generate energy that is transmitted through the cleaning solution within the internal cavity and against interior surfaces of the turbine blade. Ultrasonic waves that contact and are generated through the cleaning
10 fluid affect cleaning and removal of dirt, grim on interior surfaces of the turbine blade assembly.

Figure 1