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# (54) ULTRASONIC CLEANER AND TONER AGGLOMERATE DISPERSER FOR LIQUID INK DEVELOPMENT (LID) SYSTEMS USING SECOND SOUND

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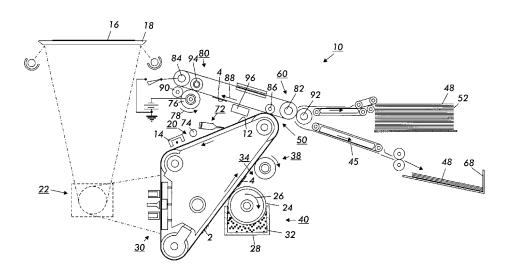
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#### (57) ABSTRACT

An apparatus for removing residual particles from an imaging surface, including: a cleaning blade having an edge adapted to remove the residual particles from the imaging surface; a vibrating member, connected to said cleaning blade, for vibrating said cleaning blade at a predefine frequency to cause stress in contact points between individual residual particles which are in contact with imaging surface thereby improving releasing of residual particles from the imaging surface.

#### 7 Claims, 4 Drawing Sheets



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