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Meyer

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

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(58) **Field of Search** 101/424, 423, 101/425; 399/350, 349, 344, 348; 15/256.5, 256.51, 256.52

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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 predefined 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

