

Title (en)

Method for providing particle-free ink jet printer components

Title (de)

Verfahren zur Herstellung partikelfreier Komponenten für einen Tintenstrahldrucker

Title (fr)

Procédé de réalisation de composants présentant une surface sans particule étrangère pour une imprimante à jet d'encre

Publication

EP 0854040 B1 20030319 (EN)

Application

EP 98300078 A 19980107

Priority

US 78655997 A 19970121

Abstract (en)

[origin: EP0854040A2] A method is provided for improving the operation of ink jet components. The components are machined using known, conventional machining techniques. All of the machined surfaces are then treated using non-abrasive, intrinsically leveling polishing processes to eliminate particulate sources. The conventional machining may be any known technique, such as electro discharge machining. The polishing processes include, but are not limited to, electrochemical means such as electropolishing, electrochemical deburring, and electrochemical grinding. The polishing processes may further comprise vapor polishing, and laser treatment to reflow the machined surface. <IMAGE>

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CPC (source: EP)

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Cited by

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