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PRESSURIZED AND FILTERED XEROGRAPHIC SYSTEM

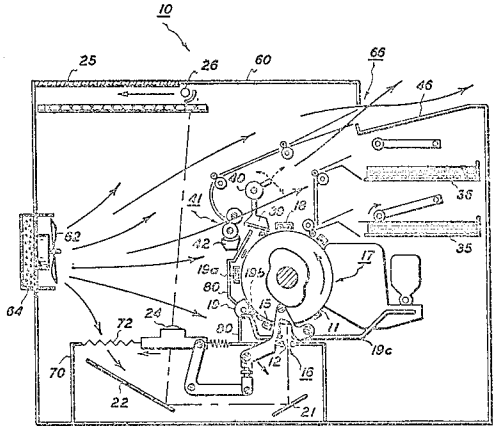
John C. Rodda, Webster, N.Y., assignor to Xerox Corporation, Stamford, Conn.

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1 Sheet Drawing. 11 Pages Specification



An electrostatographic copying system is contained within an air enclosure which is slightly positively air pressurized relative to its ambient surroundings to reduce both internal and external contamination of system components and provide a controlled internal air flow pattern. A blower blows air into the machine enclosure through a filter which filters contaminants which would otherwise contribute to photoreceptor image deletions. A separate optics system enclosure can be indirectly pressurized inside the main enclosure. An air shield is positioned to prevent the internal air flow from causing contaminants such as fumes from the fuser from striking the photoreceptor. The air is preferably exhausted through the copy sheet exit at the opposite side of the enclosure, and through the vacuum sheet pick-off system. Internal pressure of less than 0.1 inch of water sustained by about 20 cfm is appropriate. Amine contaminants causing selenium alloy photoreceptor image deletions are removed by filter materials such as activated charcoal or Hopcalite.

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J. C. RODOA
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