

Title (en)
Method for producing toner for electrostatic development

Title (de)
Verfahren zur Herstellung von elektrostatischen Tonern

Title (fr)
Procédé pour la fabrication de toner de développement électrostatique

Publication
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Application
EP 93310319 A 19931220

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Abstract (en)
[origin: EP0605169A1] Disclosed herein is a method for producing a toner for electrostatic development, comprising crushing a toner material obtained by melting, kneading and cooling starting toner materials comprising at least a resin and a colorant, and then pulverizing the crushed toner material by an impact pulverizer having a pulverizing section formed by disposing a stator having ridges of a triangular waveform at an inner surface thereof and a rotor having ridges of a triangular waveform at an outer surface thereof at a gap between the ridges of the stator and of the rotor.
<IMAGE>

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Cited by
US6703176B2; CN112756060A; CN102821864A; EP0982636A3; CN105363535A; IT202000023695A1; EP1091257A1; US8888027B2; WO2011128274A1; US6586151B1; EP4059607A1; WO2022194428A1

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