

Title (en)
CONTACT BRUSH CHARGING

Publication
EP 0180378 B1 19900613 (EN)

Application
EP 85307466 A 19851016

Priority
US 66582284 A 19841029

Abstract (en)
[origin: EP0180378A2] A contact brush charging device (11) for charging an insulating layer, especially the photoreceptor (13) in a xerographic reproduction apparatus, comprises a plurality of resiliently, flexible thin fibers (31) which have an electrical resistivity in the range from $10^{<2>}$ to $10^{<6>}$ ohms-cm and which are substantially resistivity stable to changes in relative humidity and temperature over the normal operating range and ageing. In a preferred embodiment the fibers are arranged in a uniform distribution along the length of the brush and comprise partially carbonized polyacrylonitrile fibers which have an electrical resistivity in the range from $10^{<3>}$ to $10^{<5>}$ ohms-cm and which are substantially homogeneous in composition.

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G03G 15/02

IPC 8 full level
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CPC (source: EP)
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Cited by
EP0294042A3; EP0400563A3; US5148219A; EP0330820A1; US5012282A; EP0549221A1; US5420465A

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