

Title (en)
PROCESS CARTRIDGE AND IMAGE FORMING APPARATUS

Title (de)
PROZESSKASSETTE UND BILDERZEUGUNGSVORRICHTUNG

Title (fr)
CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE

Publication
EP 2040130 A4 20121128 (EN)

Application
EP 06780679 A 20060630

Priority
JP 2006313112 W 20060630

Abstract (en)
[origin: EP2040130A1] It is an object to suppress the deposition of transfer-residual toner on a sealing sheet and also to suppress the dropping of deposited toner therefrom, at a high temperature and high humidity environment. An image forming apparatus includes a photosensitive drum 100, a cleaning blade 601 for removing toner, a housing portion 603 for housing the toner removed by the cleaning blade 601, and a sealing sheet 602 for preventing the leakage of toner and performs charge elimination upstream of the sealing sheet 602 in the direction of movement of the photosensitive drum 100, wherein the work function difference between the sealing sheet 602 and the photosensitive drum 100 is equal to or greater than 0.25 eV.

IPC 8 full level
G03G 21/10 (2006.01); **G03G 5/047** (2006.01)

CPC (source: EP)
G03G 21/1832 (2013.01)

Citation (search report)

- [Y] JP H03194582 A 19910826 - SHARP KK
- [Y] JP H10333523 A 19981218 - KONISHIROKU PHOTO IND
- See references of WO 2008001463A1

Cited by
US11022933B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2040130 A1 20090325; EP 2040130 A4 20121128; EP 2040130 B1 20170809; CN 101292201 A 20081022; CN 101292201 B 20100609; JP 4764481 B2 20110907; JP WO2008001463 A1 20091126; WO 2008001463 A1 20080103

DOCDB simple family (application)
EP 06780679 A 20060630; CN 200680039407 A 20060630; JP 2006313112 W 20060630; JP 2008522266 A 20060630