Title (en)

PHOTOSENSITIVE DRUM DRIVING HEAD AND IMAGE FORMING DEVICE DRIVING MECHANISM

Title (de)

LICHTEMPFINDLICHER TROMMELANTRIEBSKOPF UND ANTRIEBSMECHANISMUS FÜR EINE BILDGEBUNGSVORRICHTUNG

Title (fr)

TÊTE D'ENTRAÎNEMENT DE TAMBOUR PHOTOSENSIBLE ET MÉCANISME D'ENTRAÎNEMENT DE DISPOSITIF DE FORMATION D'IMAGE

Publication

EP 2703893 B1 20160914 (EN)

Application

EP 12868927 A 20121213

Priority

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- CN 2012086505 W 20121213

Abstract (en)

[origin: WO2014005403A1] A photosensitive drum driving head, comprising: a drum flange (2, 200) arranged on an end portion of a photosensitive drum and connected to the photosensitive drum, a drum shaft axially extending out the end portion of the drum flange, and a boss (4, 400) axially extending out an end face of the drum shaft and matched with a groove on an image forming device driving head. Three straight convex teeth (500) are arranged on a side wall of the boss, extend along the axial direction of the boss, and are matched with a power transport portion. The three straight convex teeth are perpendicular to the drum shaft and extend along the axial direction of the photosensitive drum. Meshed faces are arranged on the straight convex teeth, and are formed by the fact that end faces of the straight convex teeth are subjected to a corner cut in a longitudinal mode. At least one meshed face is meshed with an arris edge on a groove twist inclined plane to deliver motive power. The photosensitive drum driving head solves the technical problem that high requirements are made for accuracy of twist angles due to matching between a twisting boss and a twisting groove.

IPC 8 full level

G03G 15/00 (2006.01)

CPC (source: EP RU)

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