

Title (en)

PHOTOSENSITIVE DRUM DRIVING HEAD AND IMAGE FORMING DEVICE DRIVING MECHANISM

Title (de)

LICHTEMPFLINDLICHER 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 A1 20140305 (EN)**

Application

**EP 12868927 A 20121213**

Priority

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Abstract (en)

The invention relates to a photosensitive drum driving head, which comprises a drum flange, a drum shaft and a boss, wherein the drum flange is disposed on the end portion of a photosensitive drum and connected with the photosensitive drum; the drum shaft is axially extended from the end portion of the drum flange; the boss is axially extended from the end face of the drum shaft and engaged with a recess in a driving head of an image forming apparatus; three vertical convex teeth which are radially extended along the boss and engaged with power transmission portions are formed on the side wall of the boss, perpendicular to the drum shaft, extended along an axial line of the photosensitive drum, and provided with mating surfaces which are formed by longitudinal cutting angles on end faces of the vertical convex teeth; and at least one mating surface is engaged with an edge of a twisted bevel of the recess for power transmission. The photosensitive drum driving head solves the technical problem of high accuracy requirement on the twist angles of the twisted boss and the twisted recess due to the engagement between the twisted boss and the twisted recess.

IPC 8 full level

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