

Title (en)

Driving force transmitting apparatus and image formation apparatus having the same

Title (de)

Übertragungsvorrichtung für Antriebskraft und damit ausgestattetes Bilderzeugungsgerät

Title (fr)

Mécanisme de transfert de puissance et dispositif de formation d'image l'utilisant

Publication

EP 1223475 B1 20031029 (EN)

Application

EP 02000264 A 20020115

Priority

- JP 2001007579 A 20010116
- JP 2001396497 A 20011227

Abstract (en)

[origin: EP1223475A1] Resin frames (10) are provided in an apparatus body of an image formation apparatus. Each of the resin frames (10) is integrally formed with a plurality of gear shafts. A gear is mounted to each gear shaft. A resin frame (10) passes through the rotation shaft (20). Some of the rotation shafts include a clutch and clutch gear (12a) having an outer diameter larger than an outer diameter of the clutch (16). The clutch (16) and the clutch gear (12a) are rotatable. The clutch gear (12a) constitutes a gear train together with the gear and the like. The resin frame (10) is integrally formed with a standing-up piece (24) which is in parallel to the rotation shaft. The stand-up piece (24) is provided with an engaging section which engages the clutch (25) and prevents the clutch (16) from rotating. <IMAGE>

IPC 1-7

G03G 15/00; G03G 21/16; F16H 57/02; G04B 13/02

IPC 8 full level

B41J 11/00 (2006.01); **B65H 5/06** (2006.01); **F16D 23/00** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP)

G03G 15/757 (2013.01); **G03G 2221/1657** (2013.01)

Cited by

JP2019056921A; CN100367132C; EP1580622A3; EP1580622A2; US7027756B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1223475 A1 20020717; **EP 1223475 B1 20031029**; DE 60200072 D1 20031204; DE 60200072 T2 20040826; JP 2002303337 A 20021018; JP 3832815 B2 20061011

DOCDB simple family (application)

EP 02000264 A 20020115; DE 60200072 T 20020115; JP 2001396497 A 20011227