

Title (en)

Fusing device and image forming apparatus employing the same

Title (de)

Sicherungsvorrichtung und Bilderzeugungsvorrichtung damit

Title (fr)

Dispositif de fixation et dispositif de formation d'images comportant celui-ci

Publication

EP 1930788 A1 20080611 (EN)

Application

EP 07117343 A 20070927

Priority

- KR 20060123721 A 20061207
- KR 20070059638 A 20070618

Abstract (en)

A fusing device that is provided on a printing passage of an image forming apparatus and fuses an image transferred to a print medium (M), the fusing device including: a heating roller (41); a pressure roller (51) to press a print medium (M) fed along the printing passage against the heating roller (41); a separation roller (61) to separate the print medium (M) from the heating roller (41); a fusing pressure belt (45) that winds around the pressure roller (51) and the separation roller (61); a first elastic member to pressure the pressure roller (51) towards the heating roller (41) along a first line (P3); and a second elastic member to pressure the separation roller (61) towards the heating roller (41), wherein the first line (P3) passes through a center of the pressure roller (51) and forms an angle towards the separation roller (61) with a second line (L3) that passes through a center of the heating roller (41) and the center of the pressure roller (51).

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP)

G03G 15/206 (2013.01); **G03G 2215/2009** (2013.01)

Citation (search report)

- [X] US 2006245799 A1 20061102 - FUJIWARA DAISUKE [JP], et al
- [X] JP 2005234268 A 20050902 - SEIKO EPSON CORP
- [E] EP 1852750 A2 20071107 - SAMSUNG ELECTRONICS CO LTD [KR]
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Citation (examination)

- JP H10171283 A 19980626 - RICOH KK
- JP 2002229368 A 20020814 - SHARP KK

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