

Title (en)

Xerographic copier including hot roll fuser.

Title (de)

Xerographisches Kopiergerät mit beheizter Rollenfixiereinrichtung.

Title (fr)

Dispositif de fusion à rouleaux chauffés pour machine xérographique.

Publication

EP 0000631 A1 19790207 (EN)

Application

EP 78300138 A 19780710

Priority

US 82027277 A 19770729

Abstract (en)

In a xerographic copier employing a hot roll fuser and adapted to produce copies on various sizes of copy paper, the rolls of the fuser must be of a length to accommodate the largest copy sheet. Accordingly, when small sheets are employed, the total surfaces of the rolls are not used. The hot roll has a surface considerably softer than the back-up roll and is, therefore, subject to wear in use. With copy paper of differing dimensions, and referenced to one end of the rolls, uneven wear is caused to the hot roll as portions of the opposite end do not consistently contact copy sheets being fused. This wear is minimised by mounting the hot roll (14) in a frame (152) which is removable from the fuser unit to permit end-to-end reversal of the hot roll (14).

IPC 1-7

G03G 15/20

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP US)

G03G 15/2035 (2013.01 - EP US)

Citation (search report)

- DE 2626088 A1 19761216 - RICOH KK
- DE 2440154 A1 19750424 - XEROX CORP
- [A] DE 2359187 B2 19751113
- [A] US 3973844 A 19760810 - MCCARROLL ALAN F
- [A] US 3324791 A 19670613 - CASSANO JAMES R, et al

Cited by

EP0419139A3; FR2652170A1; US5481347A; LT3332B

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 4121089 A 19781017; AR 219534 A1 19800829; AU 3555878 A 19791101; AU 515273 B2 19810326; BR 7804907 A 19790410; CA 1101921 A 19810526; DE 2860519 D1 19810409; EP 0000631 A1 19790207; EP 0000631 B1 19810311; IT 1112267 B 19860113; IT 7824889 A0 19780623; JP S5425843 A 19790227; JP S598834 B2 19840227

DOCDB simple family (application)

US 82027277 A 19770729; AR 27276978 A 19780630; AU 3555878 A 19780428; BR 7804907 A 19780731; CA 301786 A 19780424; DE 2860519 T 19780710; EP 78300138 A 19780710; IT 2488978 A 19780623; JP 7661178 A 19780626