

Title (en)

METHOD OF MANUFACTURING A DEVELOPER ROLLER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ENTWICKLUNGSWALZE

Title (fr)

PROCEDE DE FABRICATION D'UN CYLINDRE DE DEVELOPPEUSE

Publication

EP 1439923 A4 20080910 (EN)

Application

EP 01990128 A 20011102

Priority

US 0147918 W 20011102

Abstract (en)

[origin: CN1529640A] A method of Manufacturing a Developer Roller in which a wetting agent is added to a polymer and graphite to ensure thorough dispersion of the graphite. The developer roller's performance is further improved by spray applying a surface layer of graphite and wetting agent and burnishing this surface layer after spray application. Additional improvements are seen by using many multiple steps of spraying thin coats to improve adhesion between the spray applied coats.

IPC 8 full level

B21D 53/00 (2006.01); **B25F 5/02** (2006.01); **G03G 15/09** (2006.01)

CPC (source: EP)

G03G 15/0928 (2013.01)

Citation (search report)

- [XAY] US 5942287 A 19990824 - CHRISTIANSEN ROBERT ARNOLD [US], et al
- [Y] JP H03132680 A 19910606 - TOSHIBA CORP, et al
- [DY] US 4989044 A 19910129 - NISHIMURA KATSUHIKO [JP], et al
- [YA] US 3770482 A 19731106 - MILLAR J, et al
- See references of WO 03043760A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

AL LT LV MK RO SI

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AU 2002228998 A1 20030610; CN 1277159 C 20060927; CN 1529640 A 20040915; EP 1439923 A1 20040728; EP 1439923 A4 20080910

DOCDB simple family (application)

AU 2002228998 A 20011102; CN 01823473 A 20011102; EP 01990128 A 20011102