

Title (en)
Printer consumables service management system.

Title (de)
Druckerverbrauchsmaterialverwaltungssystem.

Title (fr)
Système de gestion pour les articles de consommation dans une imprimante.

Publication
EP 0685768 A1 19951206 (EN)

Application
EP 95303791 A 19950602

Priority
US 25387394 A 19940603

Abstract (en)
An apparatus and method for monitoring and managing printer/copier consumables and maintenance status items, in which sensors, print counters and/or monitoring devices warn users of impending exhaustion of consumables and of maintenance and service requirements. Users are instructed on how to perform corrective actions by display screens detailing the status on selected items and graphically illustrating the showing the location and technique for performing the required corrective action. Toner/dry ink levels, fuser modules/oil levels, developer cartridge performance, cleaning and waste systems, photoreceptor modules and other aspects of printers may be included in the managed status items. An audible signal and/or instructions may supplement the visual information provided to the user to indicate the need to service the printer, on how to replenish supplies and maintain components, and to otherwise assist in the execution of the actions taken according to the consumables and maintenance system of the present invention. <IMAGE>

IPC 1-7
G03G 15/00

IPC 8 full level
G03G 21/00 (2006.01); **G03B 27/52** (2006.01); **G03G 15/00** (2006.01); **G06F 3/12** (2006.01)

CPC (source: EP)
G03G 15/502 (2013.01); **G03G 15/5079** (2013.01); **G03G 15/55** (2013.01); **G03G 15/553** (2013.01); **G03G 2215/00109** (2013.01); **G03G 2215/00122** (2013.01); **G03G 2221/1639** (2013.01)

Citation (search report)
• [A] US 4496237 A 19850129 - SCHRON STEVEN M [US]
• [A] US 5313468 A 19940517 - HOSHI TAKASHI [JP], et al
• [A] US 5208626 A 19930504 - TANIMOTO YASUFUMI [JP], et al
• [A] GB 2218378 A 19891115 - FUJI XEROX CO LTD [JP]
• [A] US 5204968 A 19930420 - PARTHASARATHI AANAND [US]

Cited by
DE102008019478A1; EP1109073A3; EP3299899A1; US7707325B2; EP1341055A1; GB2372926A; GB2372926B; EP0715221A1; US5594529A; US7644145B2; GB2301688A; EP0802059A3; EP0808720A3; EP1927896A1; JP2008135900A; GB2396038A; SG124268A1; FR2793443A1; EP1701305A1; GB2371129A; EP1179432A1; EP1123810A3; CN109115798A; US7475026B2; US7657193B2; US7660539B2; US7061391B2; US7483159B2; WO2009127516A1; US8656500B2; US7496702B2; US6507409B2; US8131602B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0685768 A1 19951206; BR 9502646 A 19960430; JP H07333749 A 19951222; MX 9502264 A 19970228

DOCDB simple family (application)
EP 95303791 A 19950602; BR 9502646 A 19950602; JP 12820795 A 19950526; MX 9502264 A 19950518