

Title (en)
Document handling apparatus and method.

Title (de)
Gerät und Verfahren zum Ausgeben von Dokumenten.

Title (fr)
Dispositif et procédé pour la mise en circulation de documents.

Publication
EP 0022680 A1 19810121 (EN)

Application
EP 80302390 A 19800716

Priority
US 5785579 A 19790716

Abstract (en)
An automatic pre-collation duplex copying apparatus (10, 20) and method in which original documents having either an odd or even number of pages may be recirculatively copied (26) in reverse serial order yet provide properly collated output duplex copy sets. A simplex/duplex copying system is disclosed in which, when an odd number of document sheets are detected (29, 31, 100) in a first, non-copying, circulation of the document sheets, the copying of the last and subsequent alternate document sheets is inhibited during the first copying circulation, whereas if an even number of document sheets are detected, the copying of the second and subsequent alternate document sheets is inhibited during this first copying circulation, and these different copying sequences are reversed for the last copying circulation. All document sheets are copied during the intermediate circulations. A compatible duplex/duplex copying system is also disclosed.

IPC 1-7
B65H 29/12; **G03G 21/00**

IPC 8 full level
G03G 21/00 (2006.01); **B65H 83/00** (2006.01); **G03B 27/62** (2006.01); **G03G 15/00** (2006.01); **G03G 15/04** (2006.01); **G03G 15/23** (2006.01); **G03G 21/02** (2006.01)

CPC (source: EP)
G03G 15/23 (2013.01); **G03G 15/6579** (2013.01); **G03G 2215/0043** (2013.01); **G03G 2215/00556** (2013.01)

Citation (search report)
• DE 2605822 A1 19760819 - CANON KK
• AT 279353 B 19700310 - RANK XEROX LTD
• US 4162844 A 19790731 - TRAISTER ROBERT L [US], et al
• US 4159500 A 19790626 - BAUMBACH BERTRAM W [US], et al
• US 4125325 A 19781114 - BATCHELOR PHILLIP J, et al
• US 3937454 A 19760210 - COLWILL RICHARD H

Cited by
EP0103661A1; EP0529692A3; EP0264852A3; DE3232210A1; US5409203A; EP0548698A3; EP0238761A3; EP0293038A3

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0022680 A1 19810121; **EP 0022680 B1 19920325**; CA 1161867 A 19840207; DE 3072199 D1 19920430; JP H0310943 B2 19910214; JP S5617359 A 19810219

DOCDB simple family (application)
EP 80302390 A 19800716; CA 355033 A 19800627; DE 3072199 T 19800716; JP 9616780 A 19800714