

Title (en)  
Orloff multicolour printing process

Title (de)  
Orloff-Mehrfarbendruckverfahren

Title (fr)  
Procédé d'impression Orloff en plusieurs couleurs

Publication  
**EP 1053887 B1 20040421 (DE)**

Application  
**EP 00810426 A 20000517**

Priority  
RU 99109705 A 19990519

Abstract (en)  
[origin: EP1053887A2] Method involves rolling assembled plate cylinder printing form with ink by means of gage rolls connected with plate cylinder through toothed gear; imparting forced cyclic reciprocating motion to gage rolls in axial direction and circumferentially relati to plate cylinder without disintegrating toothed gear from plate cylinder, with gage roll reciprocating motion speed being withi the range of 0.2-4.0 mm and ratio of reciprocating motion number and gage roll revolution number being irrational value of 2-10. Auxiliary accumulating gage roll may be used for receiving and transmitting of color pattern, when this gage is in contact with rubber webs of blanket cylinder. Boundary zone of color gage may be increased by using continuous or stepped screen scale with decreasing filling area.

IPC 1-7  
**B41M 1/14**; **B41F 11/00**

IPC 8 full level  
**B41M 3/14** (2006.01); **B41F 11/00** (2006.01)

CPC (source: EP)  
**B41F 11/00** (2013.01)

Cited by  
EP3489029A1; WO2019101683A1; US8499690B2; EP3928995A1; AU2018373640B2; CN111051075A; JP2008503373A; JP2010519071A; US10843501B2

Designated contracting state (EPC)  
AT CH DE LI

DOCDB simple family (publication)  
**EP 1053887 A2 20001122**; **EP 1053887 A3 20010425**; **EP 1053887 B1 20040421**; AT E264756 T1 20040515; DE 50006115 D1 20040527; RU 2143344 C1 19991227

DOCDB simple family (application)  
**EP 00810426 A 20000517**; AT 00810426 T 20000517; DE 50006115 T 20000517; RU 99109705 A 19990519