

Title (en)  
METHOD OF AUTOMATICALLY ADJUSTING THE COLOURS PRINTED BY FLEXOGRAPHIC PRINTING MACHINES IN A FOUR-COLOUR PRINTING PROCESS

Publication  
**EP 0089016 B1 19850605 (DE)**

Application  
**EP 83102351 A 19830310**

Priority  
DE 3209483 A 19820316

Abstract (en)  
[origin: CA1199521A] A method of automatically setting the colours printed with yellow, magenta, cyan and black printing inks for four-colour printing by flexographic printing machines having printing units provided with plate and backing cylinders is characterised in that, to determine the desired colour value in a colour triangle which serves for colour comparison and the corners of which are fixed by the colours yellow, magenta and cyan, the colour location is determined for a test grid area which is printed out by all the printing units and in which each of the printing inks participates with a colour proportion between about 40% and 60%, that to determine the existing value of the colour by densitometric measurement the proportions of printing inks actually present are measured in the test area and the colour location of the existing value is determined in the colour triangle, that from a comparison of the colour locations the departures of the existing values of the colour proportions from the desired values are determined for each colour, and that the axial spacing of the plate cylinder for the respective colour from the backing cylinder is changed according to said departures until the existing and desired values in the triangle coincide.

IPC 1-7  
**B41F 33/00**; **B41F 5/24**

IPC 8 full level  
**B41F 33/14** (2006.01); **B41F 5/24** (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)  
**B41F 5/24** (2013.01 - EP US); **B41F 33/0045** (2013.01 - EP US)

Cited by  
EP0282446A1; EP0228347A1; EP1862307A3; EP0196431A3; EP0394681A3; EP1666252A3; FR2643017A1; EP0337148A3

Designated contracting state (EPC)  
CH FR GB IT LI

DOCDB simple family (publication)  
**EP 0089016 A1 19830921**; **EP 0089016 B1 19850605**; CA 1199521 A 19860121; DE 3209483 A1 19830929; JP S58175687 A 19831014; US 4667596 A 19870526

DOCDB simple family (application)  
**EP 83102351 A 19830310**; CA 423673 A 19830315; DE 3209483 A 19820316; JP 4401483 A 19830316; US 80208385 A 19851127