

Title (en)
PHOTOGRAPHIC DEVELOPING APPARATUS

Title (de)
PHOTOGRAPHISCHES ENTWICKLUNGSGERÄT

Title (fr)
APPAREIL DE DEVELOPPEMENT PHOTOGRAPHIQUE

Publication
EP 0564598 B1 19960911 (EN)

Application
EP 92904285 A 19911218

Priority

- US 63349090 A 19901228
- US 63349590 A 19901228
- US 63350590 A 19901228
- US 63350790 A 19901228
- US 63352190 A 19901228
- US 9109488 W 19911218

Abstract (en)
[origin: WO9212465A1] Apparatus for treating photographic film or paper with a fluid comprises means for defining a thin fluid treatment channel (48) for receiving the web and having at least one pair of elongated juxtaposed fluid injection openings (34, 36) for injecting fluid into said channel (48) on opposite sides of the web and at least one pair of elongated evacuation openings (38, 40) on opposite sides of the web in spaced relationship with the injection openings. Means are provided for supplying treatment fluid under pressure to the injection openings (34, 36) to inject treatment fluid under pressure into the channel (48) on opposite sides of the web to support the web and to establish a high velocity laminar flow of treatment fluid from the injection openings (34, 36) to the evacuation openings (38, 40), the evacuation openings (38, 40) being spaced from the injection openings (34, 36) by a predetermined distance to effect discharge of fluid from the channel (48) when the fluid boundary layer reaches a predetermined thickness to maintain a mass transfer rate in the fluid which exceeds the mass transfer rate in the web.

IPC 1-7
G03D 5/04; **G03D 15/02**

IPC 8 full level
G03D 5/00 (2006.01); **G03D 5/04** (2006.01); **G03D 15/02** (2006.01)

CPC (source: EP)
G03D 5/04 (2013.01); **G03D 15/022** (2013.01)

Cited by
EP0570747B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9212465 A1 19920723; DE 69122125 D1 19961017; DE 69122125 T2 19970403; EP 0564598 A1 19931013; EP 0564598 B1 19960911; JP H06504143 A 19940512

DOCDB simple family (application)
US 9109488 W 19911218; DE 69122125 T 19911218; EP 92904285 A 19911218; JP 50434192 A 19911218