

Title (en)

Developing apparatus with stirring facility.

Title (de)

Entwicklungsgerät mit Umwälzeinrichtung.

Title (fr)

Appareil de développement contenant un dispositif d'agitation.

Publication

EP 0040328 A1 19811125 (DE)

Application

EP 81102977 A 19810417

Priority

DE 3018653 A 19800516

Abstract (en)

[origin: US4378151A] Small apparatus for developing photosensitive materials, in particular table-top apparatus, comprises a housing divided by partitions into a plurality of processing stations, for example a developing station, a fixing station and a washing station. Each of the stations comprises a trough containing the respective processing liquid. The photosensitive material to be developed is conveyed by transport rolls from an inlet, through the successive stations and out of an outlet. Liquid in a trough is circulated by a device comprising a magnetic rotor which rotates in a submerged rotor housing in the trough and has inlet openings in its cover and a tangential outlet opening in its periphery. The rotor is rotated by a rotating magnetic field arrangement outside the trough. In one embodiment it comprises a motor-driven permanent magnet. In another, it comprises magnetic coils arranged in a circle and energized sequentially.

Abstract (de)

In einem Entwicklungsgerät (11) ist unter der Flüssigkeitsoberfläche (22) ein dicht an einer Wand (23) drehbar geführter Magnetläufer (29) vorgesehen, der die Flüssigkeit umwälzt. Außerhalb des Troges (24, 26) ist eine Drehfeld-Magnetanordnung (28) vorgesehen, die mit ihrem Magnetfeld auf den Magnetläufer (29) wirkt und diesen in Drehung versetzt. Die Wand durchdringende Teile sind nicht vorhanden. Die Magnetfelder können von Dauermagneten gebildet sein, die mit einem Motor (49) angetrieben sind.

IPC 1-7

G03D 3/04

IPC 8 full level

G03D 3/02 (2006.01); **G03D 3/04** (2006.01)

CPC (source: EP US)

G03D 3/04 (2013.01 - EP US)

Citation (search report)

- CH 381988 A 19640915 - AGFA AG [DE]
- US 3116913 A 19640107 - KINGDON LANE
- [A] US 2549121 A 19510417 - OSTERHELD CLARK M
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- [A] US 1420773 A 19220627 - STAINBROOK FOREST A

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CN106292169A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0040328 A1 19811125; DE 3018653 A1 19811126; DE 3018653 C2 19860522; JP S5719740 A 19820202; US 4378151 A 19830329

DOCDB simple family (application)

EP 81102977 A 19810417; DE 3018653 A 19800516; JP 7237681 A 19810515; US 26313281 A 19810513