

Title (en)

NON-HYDROQUINONE PHOTOGRAPHIC DEVELOPER COMPOSITION AND PROCESSING METHOD

Title (de)

PHOTOGRAPHISCHE ENTWICKLERZUSAMMENSETZUNG OHNE HYDROCHINON UND VERARBEITUNGSVERFAHREN

Title (fr)

COMPOSITION DE REVELATEUR PHOTOGRAPHIQUE SANS HYDROQUINONE ET PROCEDE DE TRAITEMENT

Publication

EP 0738400 B1 20010228 (EN)

Application

EP 94919380 A 19940610

Priority

- US 9406353 W 19940610
- US 7802493 A 19930618

Abstract (en)

[origin: WO9500881A1] A non-hydroquinone photographic developer composition consisting essentially of: (a) a developer selected from the group consisting of ascorbic acid and sugar-type derivatives thereof, or alkali metal salts and mixtures thereof, in an amount of 0.1 to 0.4 mol/liter (mol/l); (b) an effective amount of an auxiliary developing agent comprising a 3-pyrazolidone compound, an aminophenol or a mixture thereof; (c) an alkali metal sulfite in an amount less than or equal to 0.32 mol/l; (d) an alkali metal carbonate in an amount of 0.1 to 0.4 mol/l; (e) an alkali metal hydroxide in an amount of from 10 to 25 g/l where an ascorbic acid or sugar-type derivative thereof is present in the form of a free acid or from 3 to 15 g/l where an ascorbic acid or sugar-type derivative thereof is present in the form of an alkali metal salt; and (f) with the developer composition having a pH of from 10.3 to 12.5 at 25 DEG C; where the developer composition is useful for processing standard rapid access films while showing an especially advantageous effect in the processing of silver halide emulsions containing a hydrazine compound to achieve lith quality, and high dot quality in a stable development solution. In a preferred embodiment, the developer composition does not contain an alkanolamine.

IPC 1-7

G03C 5/30

IPC 8 full level

G03C 5/29 (2006.01); **G03C 1/06** (2006.01); **G03C 5/30** (2006.01); **G03C 5/31** (2006.01)

CPC (source: EP US)

G03C 5/30 (2013.01 - EP US); **G03C 1/061** (2013.01 - EP US); **G03C 7/384** (2013.01 - EP US); **G03C 2200/48** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9500881 A1 19950105; AT E199461 T1 20010315; AU 1092295 A 19950117; AU 689168 B2 19980326; AU 689168 C 20011122; CN 1053970 C 20000628; CN 1129989 A 19960828; DE 69426780 D1 20010405; DE 69426780 T2 20011004; EP 0738400 A1 19961023; EP 0738400 A4 19960618; EP 0738400 B1 20010228; JP H09500221 A 19970107; MY 111751 A 20001230; SG 34338 A1 20001219; US H2048 H 20020903

DOCDB simple family (application)

US 9406353 W 19940610; AT 94919380 T 19940610; AU 1092295 A 19940610; CN 94193074 A 19940610; DE 69426780 T 19940610; EP 94919380 A 19940610; JP 50286195 A 19940610; MY PI19941548 A 19940616; SG 1995002196 A 19940610; US 38860095 A 19950214