

Title (en)

Stabilized ascorbic acid developer.

Title (de)

Stabilisierte Ascorbinsäureentwicklerlösung.

Title (fr)

Développateur stabilisé de l'acide ascorbique.

Publication

EP 0531582 A1 19930317 (EN)

Application

EP 91202333 A 19910912

Priority

EP 91202333 A 19910912

Abstract (en)

A silver halide developing solution is provided characterized by a pH of at least 12.0 and containing : (a) a sugar derivative or an alkali metal salt thereof, present in a concentration of more than 0.4 mole/liter and corresponding to following general formula (I) : <CHEM> wherein X represents an oxygen atom or an imino group, and n represents a positive integer from 1 to 4, and R represents a hydroxy group when n is 1, and R represents a hydroxy group or a hydrogen atom when n is 2 to 4. (b) a compound corresponding to general formula (II), or an alkali metal salt thereof : <CHEM> wherein Z represents the necessary atoms to form a benzocondensed ring, m = 0 or 1, and n = 1, 2 or 3. Preferred sugar derivatives corresponding to general formula (I) are l-ascorbic acid and iso-ascorbic acid. A preferred compound according to general formula (II) is salicylic acid.

IPC 1-7

G03C 5/30; G03C 5/305

IPC 8 full level

G03C 5/30 (2006.01); **G03C 5/305** (2006.01)

CPC (source: EP)

G03C 5/30 (2013.01); **G03C 5/305** (2013.01)

Citation (search report)

- [A] US 3964912 A 19760622 - PRICE HARRY J
- [A] US 3826654 A 19740730 - WEISS G, et al
- [A] US 3386824 A 19680604 - ALAN MILLER
- [A] US 4569904 A 19860211 - OKUTSU EIICH [JP], et al
- [A] US 3790383 A 19740205 - SHIMAMURA I, et al
- [A] GB 1182198 A 19700225 - EASTMAN KODAK CO [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 21 (P-48)(693) 7 February 1981 & JP-A-55 149 936 (FUJI SHASHIN FILM KK) 21 November 1980

Cited by

US5399457A; EP1182499A1; EP1182498A1; US5702875A; US5756271A; EP0874276A1; US6077652A; US5578433A; US6444414B1; USH2048H; US6489090B1; US6599688B1; US6673528B2

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

EP 0531582 A1 19930317; EP 0531582 B1 19970115; DE 69124237 D1 19970227; DE 69124237 T2 19970626; JP H05210220 A 19930820

DOCDB simple family (application)

EP 91202333 A 19910912; DE 69124237 T 19910912; JP 26934892 A 19920910