

Title (en)

Stabilized vinyl sulfone hardening compositions useful in photographic manufacturing

Title (de)

Stabilisierte Vinylsulfonhärtierzusammensetzungen, die in der photographischen Produktion einsetzbar sind

Title (fr)

Compositions durcissantes stabilisées au vinyl sulphone utilisables dans la fabrication photographique

Publication

EP 0770908 A1 19970502 (EN)

Application

EP 96202868 A 19961015

Priority

- US 559795 P 19951019
- US 57614495 A 19951221

Abstract (en)

Hydrophilic colloids, such as gelatin, which are employed in the manufacture of photographic elements are commonly treated with a hardening composition, among the most useful of which are hardening compositions containing vinyl sulfone hardening agents such as bis(vinylsulfonyl)methane. In accordance with this invention, citric acid or salts of citric acid are utilized as an effective inhibitor of homopolymerization in such hardening compositions.

IPC 1-7

G03C 1/30

IPC 8 full level

B01J 19/00 (2006.01); **C08F 2/00** (2006.01); **C08F 2/40** (2006.01); **G03C 1/30** (2006.01)

CPC (source: EP)

G03C 1/30 (2013.01)

Citation (search report)

- [X] US 5424175 A 19950613 - UEDA EIICHI [JP], et al
- [X] US 4824774 A 19890425 - INOUE NOBUAKI [JP], et al
- [DA] US 4171976 A 19791023 - BURNES DONALD M [US], et al
- [A] EP 0640589 A1 19950301 - EASTMAN KODAK CO [US]

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0770908 A1 19970502; **EP 0770908 B1 19990804**; DE 69603564 D1 19990909; DE 69603564 T2 20000127; JP H09179234 A 19970711

DOCDB simple family (application)

EP 96202868 A 19961015; DE 69603564 T 19961015; JP 27467196 A 19961017