

Title (en)

Stabilized vinyl sulfone hardening compositions useful in photographic manufacturing

Title (de)

Stabilisierte Vinylsulfonhärterzusammensetzungen, 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

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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 - BURNESS DONALD M [US], et al
- [A] EP 0640589 A1 19950301 - EASTMAN KODAK CO [US]

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DOCDB simple family (publication)

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