

Title (en)
IMPROVED BLEACHING COMPOSITIONS

Title (de)
VERBESSERTE BLEICHMITTELZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DE BLANCHIMENT AMÉLIORÉES

Publication
EP 3775136 A1 20210217 (EN)

Application
EP 19721669 A 20190327

Priority
• GB 201804916 A 20180327
• GB 2019050878 W 20190327

Abstract (en)
[origin: GB2572364A] Bleaching composition comprising an enediol, an oxidizing agent and a catalyst, the composition may further comprise an accelerator and/or an electrolyte. The enediol may be an ascorbic acid, a derivative thereof an enediol formed from rearrangement of a reducing sugar or derivate thereof. Preferably the enediol is ascorbic acid or a derivative thereof. The oxidizing agent may comprise a chlorine or an oxygen based agent. Preferably the oxygen based agent comprising peracetic acid, tertiary butyl hydroperoxide, hydrogen peroxide or an agent that releases such. The catalyst is chosen from a transition metal or an oxide or salt thereof. Preferably the metal being cobalt, iron, manganese, silver, titanium, vanadium, zinc or most preferably copper. The salts preferably being a halide or sulphate. The accelerator may comprise one or more of, alcohol groups, ether groups or cyano groups. Preferably at least one alcohol and at least one ether group, more preferably the accelerator is a glycol ether. Most preferably glucose, hexylene glycol or fructose. The electrolyte may be a halide salt of an alkali or alkaline earth metal, preferable a chloride or iodide salt, most preferably sodium or magnesium chloride or potassium iodide.

IPC 8 full level
C11D 3/39 (2006.01); **C11D 3/48** (2006.01)

CPC (source: EP GB)
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C11D 3/3956 (2013.01 - GB); **C11D 3/48** (2013.01 - EP)

Citation (search report)
See references of WO 2019186159A1

Designated contracting state (EPC)
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