

Title (en)  
PHOTOPOLYMERISABLE COMPOSITION

Title (de)  
PHOTOPOLYMERISIERBARE ZUSAMMENSETZUNG

Title (fr)  
COMPOSITION PHOTOPOLYMERISABLE

Publication  
**EP 1759246 A2 20070307 (DE)**

Application  
**EP 05770246 A 20050622**

Priority  
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Abstract (en)  
[origin: WO2005124456A2] A photopolymerisable composition comprises (a) 75-99 % by weight of an ethylenically unsaturated monomer or monomer mixture of various ethylenically unsaturated monomers, (b) 0.5-25 % by weight of a triglyceride or mixture of various triglycerides, and (c) 0.1-10 % by weight of a photo-initiator system which activates the polymerisation of the ethylenically unsaturated monomer(s) under the influence of actinic radiation, the composition forming a homogeneous clear mixture which is liquid at 20 DEG C. Also disclosed are elements produced from these photopolymerisable compositions and processes for forming a light-resistant hologram with these compositions. The photopolymerisable compositions are particularly suitable as recording material for optical elements with refractive index modulation, in particular holograms.

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CPC (source: EP US)  
**G03F 7/001** (2013.01 - EP US); **G03F 7/027** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005124456A2

Citation (examination)  
• GB 1550882 A 19790822 - NIPPON PAINT CO LTD  
• DE 4039382 A1 19910613 - G C DENTAL IND CORP [JP]  
• US 5972563 A 19991026 - STEINMANN BETTINA [CH], et al

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