

Title (en)
PHOTOPOLYMERISABLE COMPOSITION

Title (de)
PHOTOPOLYMERISIERBARE ZUSAMMENSETZUNG

Title (fr)
COMPOSITION PHOTOPOLYMERISABLE

Publication
EP 1759246 A2 20070307 (DE)

Application
EP 05770246 A 20050622

Priority
• EP 2005006768 W 20050622
• DE 102004030019 A 20040622

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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DOCDB simple family (publication)
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