

Title (en)  
MAKING A PHOTOPOLYMER PRINTING PLATE

Title (de)  
HERSTELLUNG EINER PHOTOPOLYMERDRUCKPLATTE

Title (fr)  
FABRICATION D'UNE PLAQUE D'IMPRESSION PORTANT UN PHOTOPOLYMERE

Publication  
**EP 0838045 A1 19980429 (EN)**

Application  
**EP 96923595 A 19960702**

Priority  
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• US 50230795 A 19950713

Abstract (en)  
[origin: WO9703382A1] A process of making a photopolymer printing plate includes steps of exposing a photopolymer material to light that is applied in a predetermined image pattern, washing the plate with a processing solution in order to cause polymeric material from portions of the plate that are determined by the image pattern to dissolve from the plate into the processing solution, and removing the dissolved polymeric material from the processing solution on the molecular level by ultrafiltration. The use of ultrafiltration permits the polymeric material to be efficiently recovered without the need for conventional recovery techniques such as distillation or flocculation, and allows reuse of the filtrate to process additional photopolymer plates. A system (10) for performing the process is also disclosed. The system is comprised of a plate making system (12), and an ultrafiltration system (24) with an ultrafilter (26) and a recirculation conduit (32).

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IPC 8 full level  
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