

Title (en)  
RADIATION-CURABLE BINDERS

Publication  
**EP 0000890 A3 19790516**

Application  
**EP 78100602 A 19780807**

Priority  
DE 2737406 A 19770819

Abstract (en)  
[origin: ES472667A1] A radiation-hardenable binder consisting of a reaction product of: (A) 1 gramme equivalent of NCO of a polyisocyanate containing 2 to 3 isocyanate groups per molecule, (B) 0 to 0.7 gramme equivalents of OH of a polyol containing at least 2 OH-groups per molecule, free from organically combined sulphur, (C) 0.01 to 0.7 gramme equivalents of OH of a hydroxyalkyl acrylate containing 2 to 6 carbon atoms in the alkyl group characterized in that the reaction product additionally has incorporated therein: (D) 0.01 to 0.3 gramme equivalents of OH of a polyol containing thio or dithio groups or thio and dithio groups, with at least 2 OH-groups per molecule, the sum of the OH gramme equivalents B to D is from 1 to 1.2, and the content of organically combined sulphur, derived from the thio and dithio groups, is from 0.01 to 10% by weight, based on the binder.

IPC 1-7  
**C08G 18/67**; **C08G 18/28**

IPC 8 full level  
**C08F 290/00** (2006.01); **C08F 299/00** (2006.01); **C08F 299/06** (2006.01); **C08G 18/00** (2006.01); **C08G 18/32** (2006.01); **C08G 18/38** (2006.01); **C08G 18/40** (2006.01); **C08G 18/46** (2006.01); **C08G 18/50** (2006.01); **C08G 18/64** (2006.01); **C08G 18/67** (2006.01); **C09D 175/14** (2006.01); **G03F 7/004** (2006.01); **G03F 7/035** (2006.01); **G03F 7/038** (2006.01)

CPC (source: EP US)  
**C08G 18/3863** (2013.01 - EP US); **C08G 18/4676** (2013.01 - EP US); **C08G 18/5072** (2013.01 - EP US); **C08G 18/6453** (2013.01 - EP US); **C08G 18/672** (2013.01 - EP US); **G03F 7/038** (2013.01 - EP US); **G03F 7/0388** (2013.01 - EP US)

C-Set (source: EP US)  
1. **C08G 18/672** + **C08G 18/52**  
2. **C08G 18/672** + **C08G 18/46**

Citation (search report)  
• [A] DE 2433908 A1 19760205 - BASF AG  
• [A] DE 2115373 A1 19711021 - DAINIPPON INK & CHEMICALS  
• [A] US 3600359 A 19710817 - MIRANDA THOMAS J  
• [P] GB 1495004 A 19771214 - SHELL INT RESEARCH

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EP0069069A3; EP0005750A1; EP0508409A3; US6986132B1; KR100261983B1

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