

Title (en)

POLYMERIZABLE COMPOSITION, POLYMER, RESIST, AND LITHOGRAPHY METHODS

Title (de)

POLYMERISIERBARE ZUSAMMENSETZUNG, POLYMER, RESIST UND LITHOGRAPHIEVERFAHREN

Title (fr)

COMPOSITION POLYMERISABLE, POLYMER, RESERVE ET PROCEDE DE LITHOGRAPHIE

Publication

**EP 1523698 A1 20050420 (DE)**

Application

**EP 03787737 A 20030721**

Priority

- DE 0302502 W 20030721
- DE 10233849 A 20020722

Abstract (en)

[origin: DE10233849A1] A polymerizable composition (I) for the production of a resist (II) contains at least one unsaturated polymerizable monomer having at least one silicon atom and at least one carbonyl group. Independent claims are included for: (1) a polymer (III) prepared by polymerization of the composition (I); (2) a resist (II) comprising 2-30% polymer (III), 70-98% solvent and 0.1 -10% of a photoacid initiator; (3) a lithographic process for the production of a structure on a substrate, preferably a lithographic mask for the production of semiconductor components by use of a resist (II).

IPC 1-7

**G03F 7/075**; C08F 30/08; C08F 230/08; G03F 7/039

IPC 8 full level

**C08F 30/08** (2006.01); **G03F 7/039** (2006.01); **G03F 7/075** (2006.01)

CPC (source: EP KR US)

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**DE 10233849 A1 20040219**; **DE 10233849 B4 20050721**; AU 2003250802 A1 20040303; CN 1675589 A 20050928; EP 1523698 A1 20050420; JP 2006509845 A 20060323; KR 100860759 B1 20080929; KR 20050029305 A 20050325; TW 200403525 A 20040301; US 2006063100 A1 20060323; US 7374858 B2 20080520; WO 2004017142 A1 20040226

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