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(71) Applicant (for all designated States except US): **BASF SE** [DE/DE]; 67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KLIPP, Andreas** [DE/DE]; Viktoriaring 15, 67245 Lambsheim (DE). **LANGE, Arno** [DE/DE]; Oberes Gaistal 3b, 67098 Bad Dürkheim (DE). **HÄHNLE, Hans-Joachim** [DE/DE]; Böhlackerstr. 27, 67435 Neustadt (DE).

(74) Common Representative: **BASF SE**; 67056 Ludwigshafen (DE).

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(54) Title: LOW-K DIELECTRICS OBTAINABLE BY TWIN POLYMERIZATION

(57) Abstract: The invention relates to a dielectric layer with a permittivity of 3.5 or less comprising a dielectric obtainable by polymerizing at least one twin monomer comprising a) a first monomer unit which comprises a metal or semi metal, and b) a second monomer unit which is connected to the first monomer unit via a chemical bond, wherein the polymerization involves polymerizing the twin monomer with breakage of the chemical bond and formation of a first polymer comprising the first monomer unit and of a second polymer comprising the second monomer unit, and wherein the first and the second monomer unit polymerize via a common mechanism.

