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(71) Applicant *(for all designated States except US)*: **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GRAUS, Yvo** [NL/NL]; Pienemanstraat 112, NL-6717 WG Ede (NL). **KOPETZKI, Erhard** [DE/DE]; Kastnerhofstr. 21, 82377 Penzberg (DE). **KUENKELE, Klaus-Peter** [DE/DE]; Karwendelstrasse 9, 83671 Benediktbeuern (DE). **MUNDIGL, Olaf** [DE/DE]; Tassiloring 16, 82362 Weilheim (DE). **PARREN, Paul** [NL/NL]; Werdorperwaard 17, NL-3984 PR Odijk (NL). **REBERS, Frank** [NL/NL]; Adriaan Menninckkwartier 34, NL-3554 CT Utrecht (NL). **SCHUMACHER, Ralf** [DE/DE]; Hochfeldstrasse 78, 82377 Penzberg (DE). **VAN DE WINKEL, Jan** [NL/NL]; Verlengde Slotlaan 80, NL-3707 CK Zeist (NL). **VRIESEMA-VAN VUGT, Martine** [NL/NL]; Fluweelmos 6, NL-3994 KR Houten (NL).

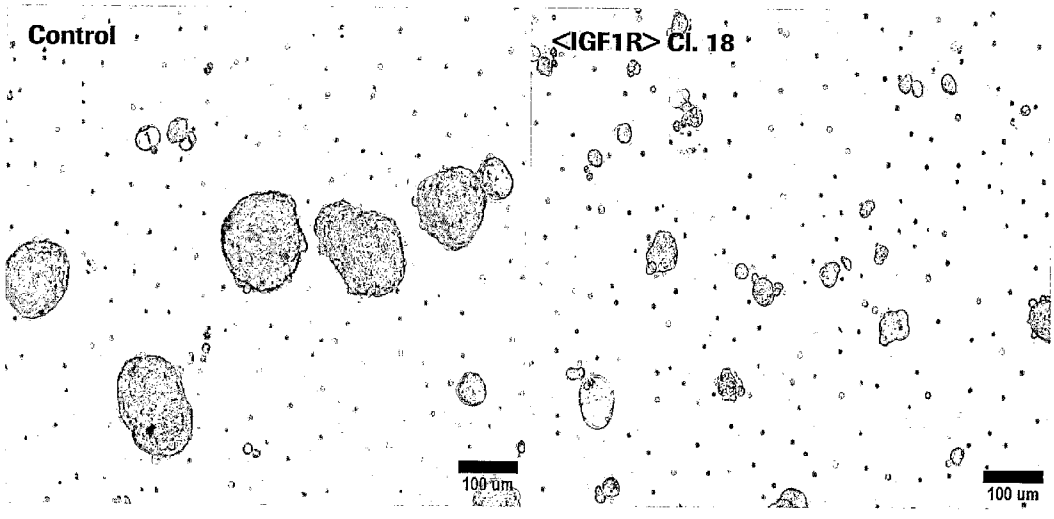
(74) Agent: **SCHREINER, Siegfried**; Roche Diagnostics GmbH, Patent Department (TR-E), Postfach 11 52, 82372 Penzberg (DE).

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(54) Title: ANTIBODIES AGAINST INSULIN-LIKE GROWTH FACTOR I RECEPTOR AND USES THEREOF



(57) Abstract: An antibody binding to IGF-IR and inhibiting the binding of IGF-I and IGF-II to IGF-IR which is characterized in that said antibody is a) is ofIgG1 isotype, b) shows a ratio of IC_{50} values of inhibition of the binding of IGF-I to IGF-IR to the inhibition of binding of IG-II to IGF-IR of 1:3 to 3:1, c) inhibits for at least 80% at a concentration of 5 nM IGF-IR phospohrylation in a cellular phosphorylation assay using 3T3 cells providing 400,000 to 600,000 molecules IGF-IR per cell in a medium containing 0.5% heat inactivated fetal calf serum (FCS) when compared to such an assay without said antibody, and d) shows no IGF-IR stimulating activity measured as IGF-IR phophorylation at a concentration of 10 µM in a cellular phosphorylation assay using 3T3 providing 400,000 to 600,000 molecules IGF-IR per cell in a medium containing 0,5% heat inactivated fetal calf serum (FCS) when compared to such an assay without said antibody has improved properties in antitumor therapy.

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