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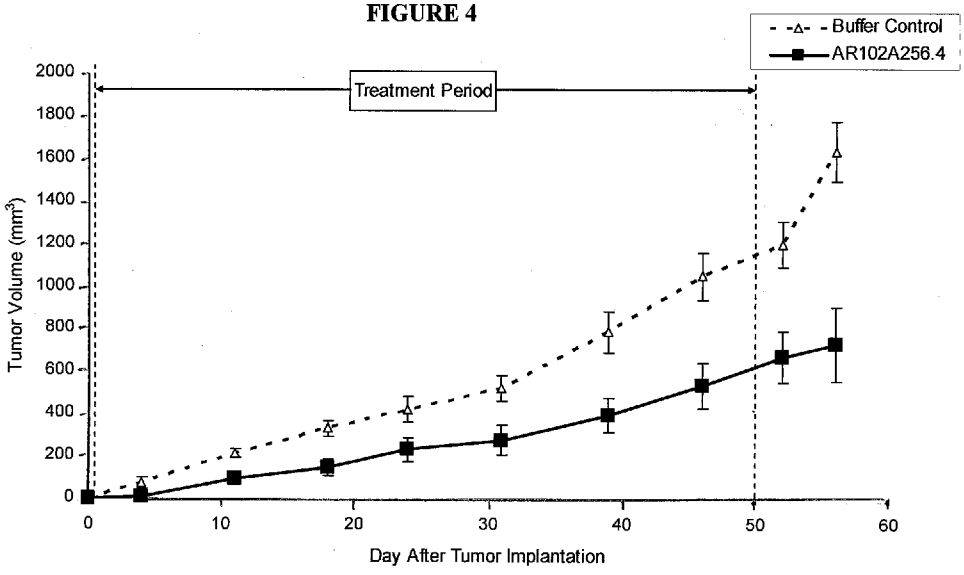
[Continued on next page]

(54) Title: AN ANTI-CANCER CYTOTOXIC MONOCLONAL ANTIBODY

FIGURE 4



(57) Abstract: The present invention relates to a method for producing cancerous disease modifying antibodies (CDMAB). Antibodies generated in mice, upon immunization with malignant cells consistent with metastatic ovarian carcinoma are screened for cytotoxicity against a variety of cancer cell lines. An anti-cancer cytotoxic monoclonal antibody (mAb) is isolated, produced by the hybridoma AR102A256.4 deposited with IDAC as Accession Number 290507-01, which is cytotoxic to colon, ovarian, pancreatic and breast cancer cell lines, and reduces tumour burden in human breast and pancreatic xenograft models. The mAb also binds to several cancer cell lines but is not cytotoxic in a non-cancerous cell line. This mAb can be used to treat primary tumours and tumour metastases. This mAb can be conjugated to toxms, enzymes, radioactive compounds, and hematogenous cells.

WO 2009/026692 A1

NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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