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(54) Title: COMBINATION TREATMENT OF CANCER

(57) Abstract: The present technology relates to a method of treating cancer by sensitizing human tumours to DNA damaging therapies through activating FBXO32 expression. Transactivation of FBXO32 through the inhibition of EZH2, a histone methyltransferase, decreases p21 protein induction which results in the sensitization of human tumours to chemotherapy. The method further provides a prognostic method to determine if a combination treatment would be effective.

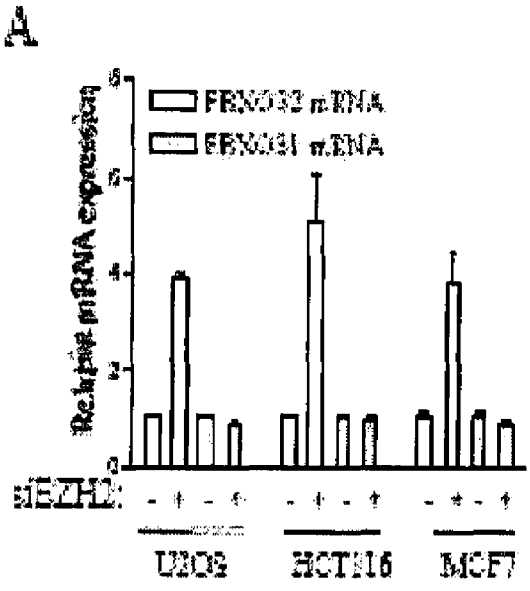


Figure 2

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RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

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

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