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Longo

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(54) **INDUCTION OF DIFFERENTIAL STRESS RESISTANCE AND USES THEREOF**

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USPC **435/384**; 435/4; 435/325; 435/363; 435/366; 435/371; 435/383; 435/392; 436/63; 436/64

(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

This invention relates to methods of inducing differential stress resistance in a subject with cancer by starving the subject for a short term, administering a cell growth inhibitor to the subject, or reducing the caloric or glucose intake by the subject. The induced differential stress resistance results in improved resistance to cytotoxicity in normal cells, which, in turn, reduces cytotoxic side-effects due to chemotherapy, as well as improved effectiveness of chemotherapeutic agents.

23 Claims, 22 Drawing Sheets