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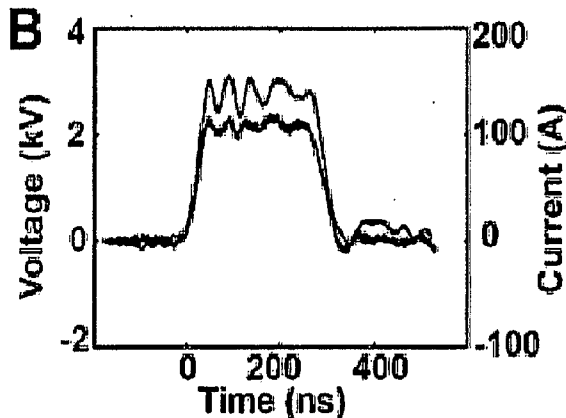
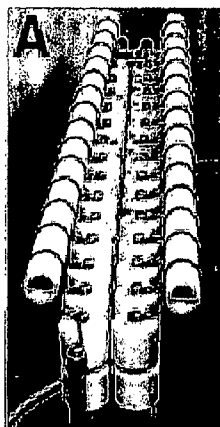
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[Continued on next page]

(54) Title: NANOSECOND PULSED ELECTRIC FIELDS CAUSE MELANOMAS TO SELF-DESTRUCT



(57) Abstract: Methods for a new, drug-free therapy for treating solid skin tumors through the application of nanosecond pulsed electric fields ("nsPEFs") are provided. In one embodiment of the invention, the cells are melanoma cells, and the applied nsPEFs penetrate into the interior of tumor cells and cause tumor cell nuclei to rapidly shrink and tumor blood flow to stop. This new technique provides a highly localized targeting of tumor cells with only minor effects on overlying skin.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X - Y Y	US 2005/0288730 A1 (DEEM et al) 29 December 2005 (29.12.2005) entire document WO 2005/032646 A2 (BEEBE et al) 14 April 2005 (14.04.2005) entire document	1-5, 9-13, 17-21 ----- 6-8, 14-16, 22 6-8, 14-16, 22
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
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