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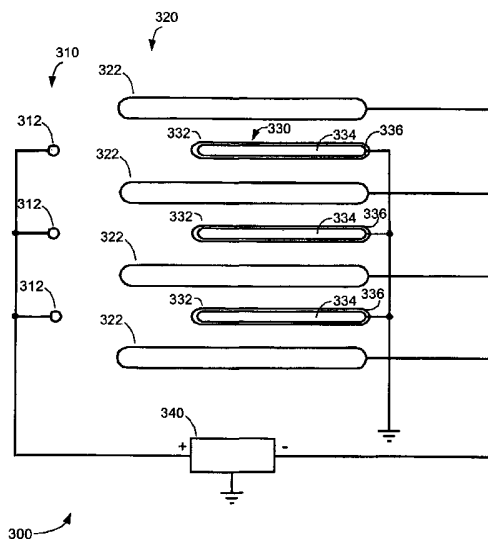
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(54) Title: ELECTRO-KINETIC AIR TRANSPORTER AND CONDITIONER DEVICES WITH INSULATED DRIVER ELECTRODES



(57) Abstract: Electro-kinetic air transporter and conditioner systems and methods are provided. The system (320) includes at least one emitter electrode (312) and at least one collector electrode (322) (and likely, at least a pair of collector electrodes (322)) that are downstream from the emitter electrode (312). An insulated driver electrode (330) is located adjacent a collector electrode (322), and where there is at least a pair of collector electrodes (322), between each pair of collector electrodes (322). A high voltage source (340) provides a voltage potential to the at least one of the emitter electrode (312) and the collector electrode(s) (322), to thereby provide a potential difference therebetween. The insulated driver electrode(s) (330) may or may not be at a same voltage potential as the emitter electrode (312), but should be at a different voltage potential than the collector electrode(s) (322).

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
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WEST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,264,343 A (NATARAJAN et al.) 28 April 1981, see Fig. 16; col. 2, lines 52-59; col. 4, lines 32-64; and paragraph crossing cols. 7 and 8.	1-56
Y	US 4,789,801 A (LEE) 6 December 1988, see Fig. 3; col. 6, lines 36-42; and col. 5, lines 16-21.	1-56
Y	US 5,879,435 A (SATYAPAL et al.) 9 March 1999, see abstract	49
Y	US 6,042,637 A (WEINBERG) 28 March 2000, paragraph crossing cols. 3 and 4.	7, 9, 10, 24, 27, 33, 38, 40 and 41
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