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- (71) **Applicant (for all designated States except US):** **UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.** [US/US]; 223 Grinter Hall, Gainesville, FL 32611 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **REYNOLDS, John, Robert** [US/US]; 2649 Fontainebleau Drive, Dunwoody, GA 30360 (US). **WALCZAK, Ryan, Michael** [US/US]; 905 Ascot Lane, Blacksburg, VA 24060 (US). **RINZLER, Andrew, Gabriel** [US/US]; 1713 S.W. 186th Street, Newberry, FL 32669 (US). **VASILYEVA, Svetlana** [RU/US]; 4926 N.W. 1st Place, Gainesville, FL 32607 (US). **DYER, Aubrey, Lynn** [US/US]; 993 Woodbourne Drive SW, Atlanta, GA 30310 (US).
- (74) **Agents:** **BUESE, Mark, A.** et al.; Saliwanchik, Lloyd & Eisenschenk, P.O. Box 142950, Gainesville, FL 32614-2950 (US).

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(54) **Title:** MULTIPLE CONTROLLED ELECTROCHROMIC DEVICES FOR VISIBLE AND IR MODULATION

(57) **Abstract:** An electrochromic device (ECD) includes an electrochromic cell and, optionally, one or more additional electrochromic cells where all cells are parallel, and where at least one of the electrodes of one of the cells comprises a single-walled carbon nanotube (SWNT) film. The electrochromic cells allow the control of transmittance of two or more different portions of the electromagnetic spectrum through the ECD. One cell can control the transmittance of visible radiation while the other cell can control the transmittance of IR radiation. The ECD can be employed as a "smart window" to control the heat and light transmission through the window. The ECD can be in the form of a laminate that can be added to an existing window.



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