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(71) Applicant (for all designated States except US): **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(71) Applicant (for MG only): **IBM UNITED KINGDOM LIMITED** [GB/GB]; PO Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARION, Neal, Richard** [US/US]; 406 Thunderbay Drive, Georgetown,

TX 78626 (US). **RAMSAY, III, George** [US/US]; 2617 Goldfinch, Cedar Park, TX 78613 (US). **TESAURO, James, Stanley** [US/US]; 12207 Klondike Rush Point, Austin, TX 78726 (US).

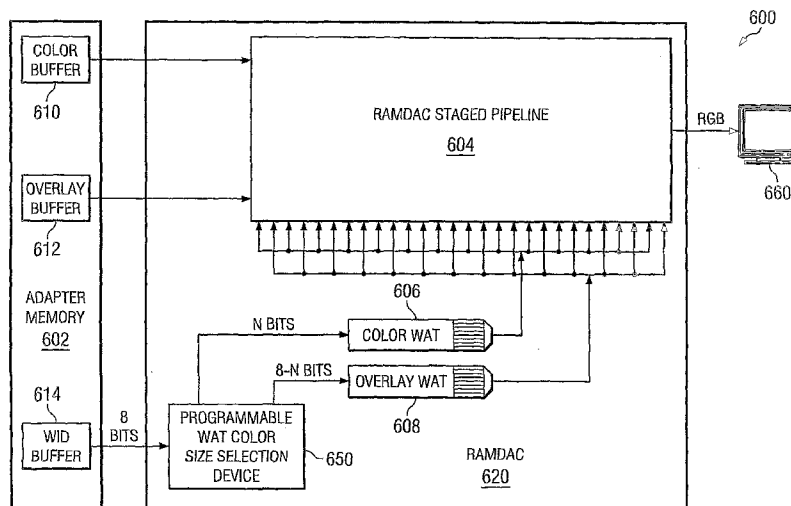
(74) Agent: **WILLIAMS, Julian, David**; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Winchester, Hampshire SO21 2JN (GB).

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(54) Title: APPARATUS AND METHOD FOR DYNAMICALLY PROGRAMMING A WINDOW ID CONFIGURATION BASED ON AN APPLICATION ENVIRONMENT



(57) Abstract: The present invention provides a mechanism by which the number of bits used to identify the WIDs for each of the color buffer and the overlay buffer may be programmed into the graphics adapter based on the currently active application environment. With the apparatus and method of the present invention, a programmable WAT color size selection device is provided in a RAMDAC of the graphics adapter. This programmable WAT color size selection device may be dynamically programmed to use varying bit splits of a WID from a WID buffer to obtain different indexes into a color WAT table and an overlay WAT table. In this way, different splits of, for example, an eight bit WID may be obtained based on the setting of the programmable WAT color size selection device such that varying color and overlay capabilities are obtainable dynamically.

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