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(54) Controlling the gray scale of plasma display devices

(57) A method of controlling the gray scale of a plasma display device, comprising the steps of: forming a frame for an image by a plurality of subframes each having a specific weight value; and displaying an image on the plasma display device by optionally combining gray levels of the subframes. A ratio of brightnesses of each gray level is calculated so as to substantially correspond with a ratio of the specific weight values of each gray level, a ratio of numbers of sustain emissions of each gray level being not coincident with the ratio of the specific weight values of each gray level. Therefore, an enhancement of the display quality of the plasma display device can be realized.

Fig.11A

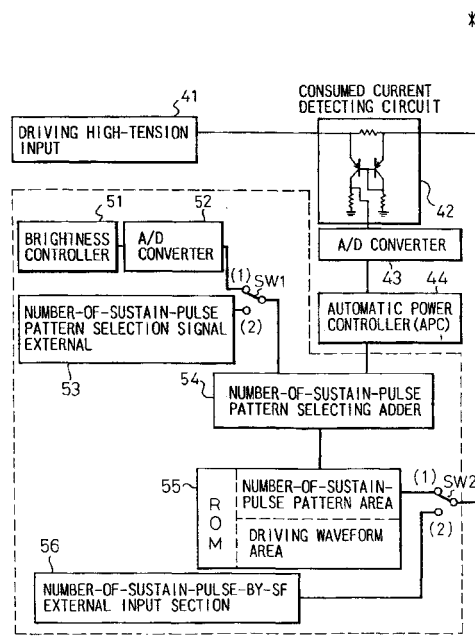
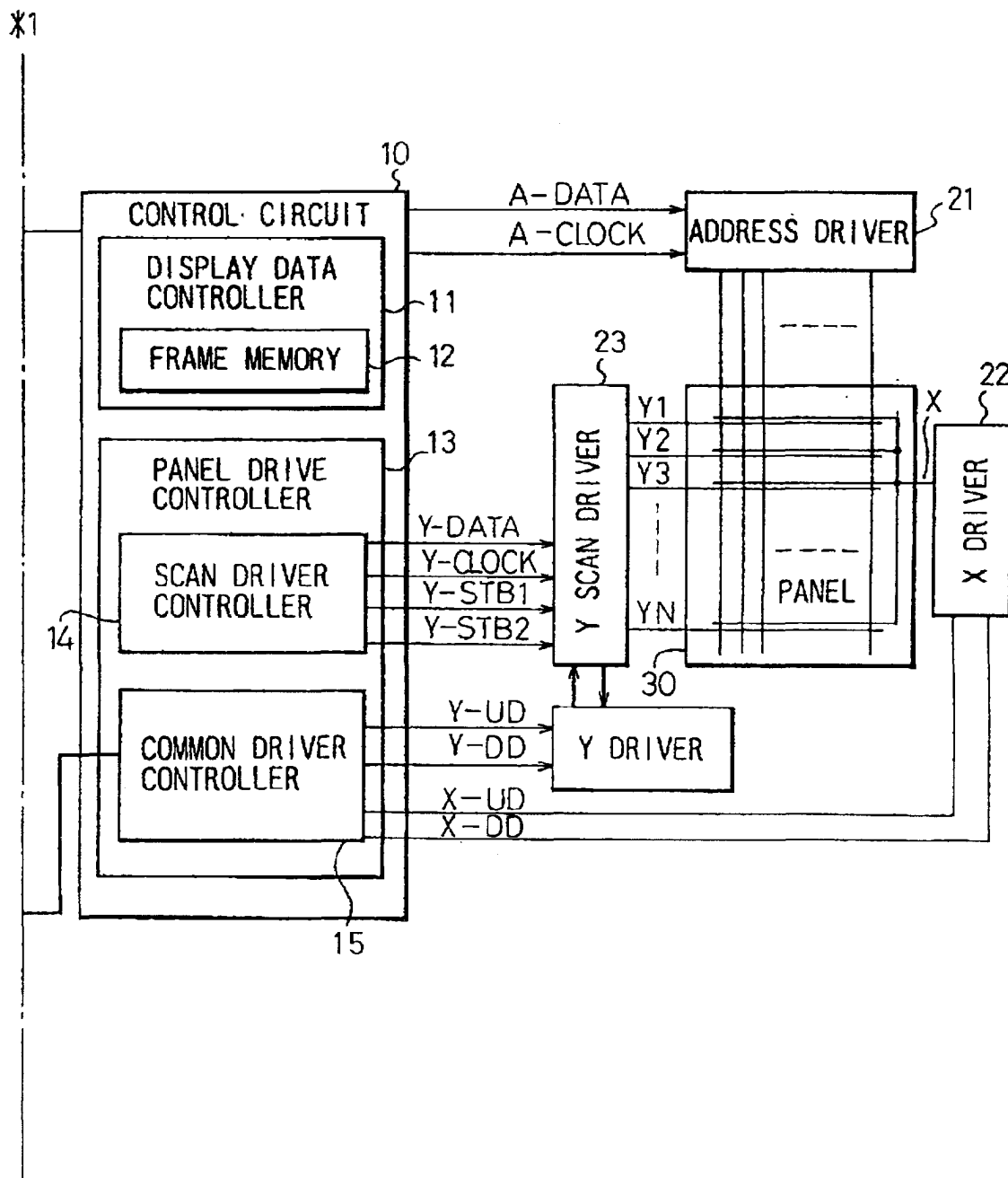


Fig.11B





European Patent
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EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G09G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 3 February 2000	Examiner Farricella, L
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82