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Furtner

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(54) **METHOD FOR RASTERIZING A GRAPHICS
BASIC COMPONENT**

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(52) U.S. Cl. **345/544; 345/443; 345/506**

(58) Field of Search 345/544, 501,
345/502, 503, 505, 506, 530, 418, 440,
441, 442, 443

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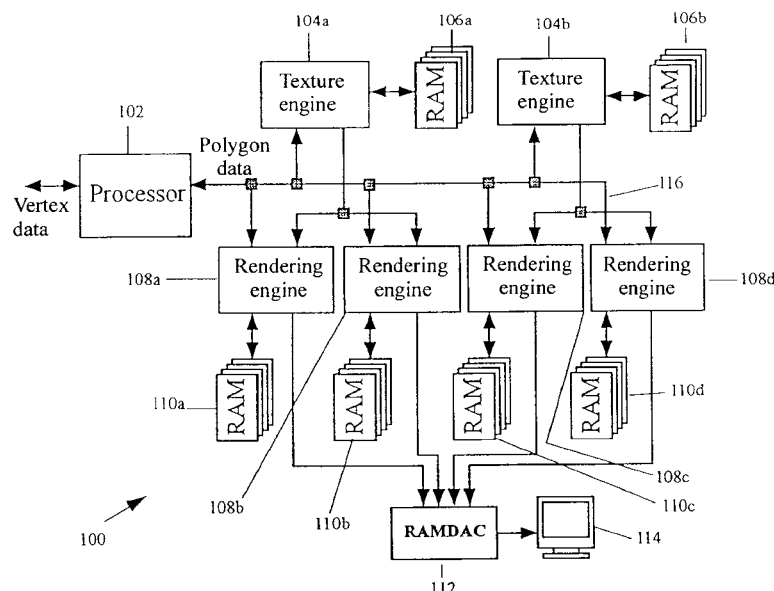
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(57) **ABSTRACT**

A method for rasterizing a graphic primitive (120) in a graphics system generates, starting from graphic primitive description data, pixel data for the graphic primitive, the graphics system comprising a memory which is divided up into a plurality of blocks (a, a+1, b, b+1) which are each associated with a predetermined one of a plurality of areas on a mapping screen (114). Each block of the plurality of blocks (a, a+1, b, b+1) is associated with a memory page in the memory. The method includes scanning the pixels associated with the graphic primitive (120) in one of the plurality of blocks (a) into which the graphic primitive extends, repeating the preceding steps until all of the pixels associated with the graphic primitive have been scanned in each of the plurality of blocks into which the graphic primitive extends, and outputting the pixel data.

15 Claims, 12 Drawing Sheets



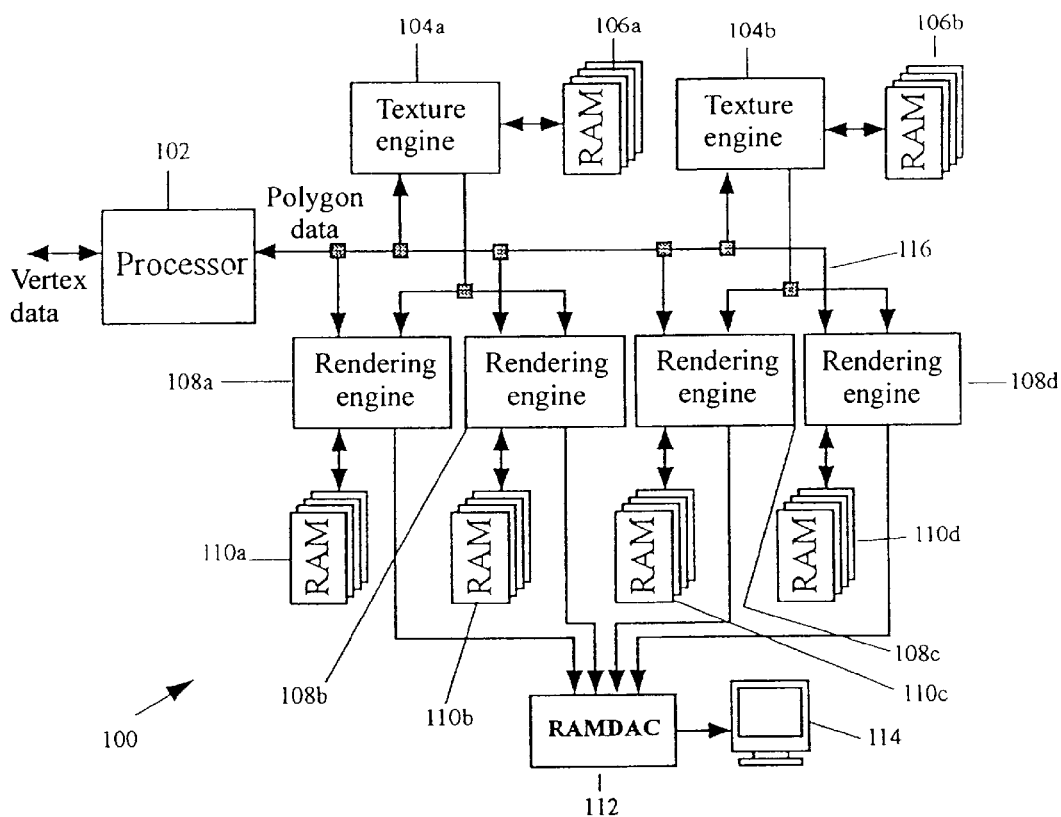


Fig. 1

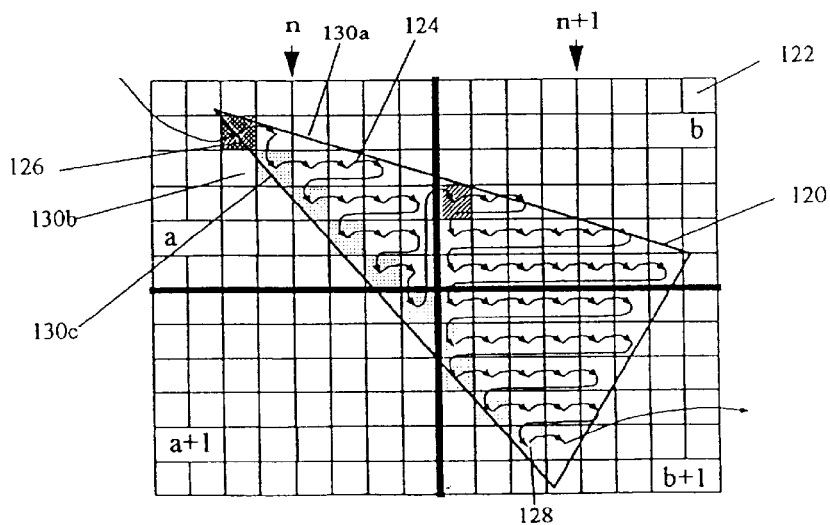


Fig. 2

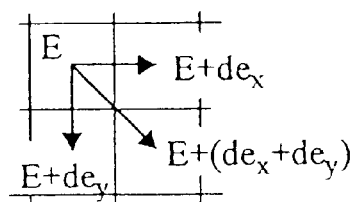


Fig. 3

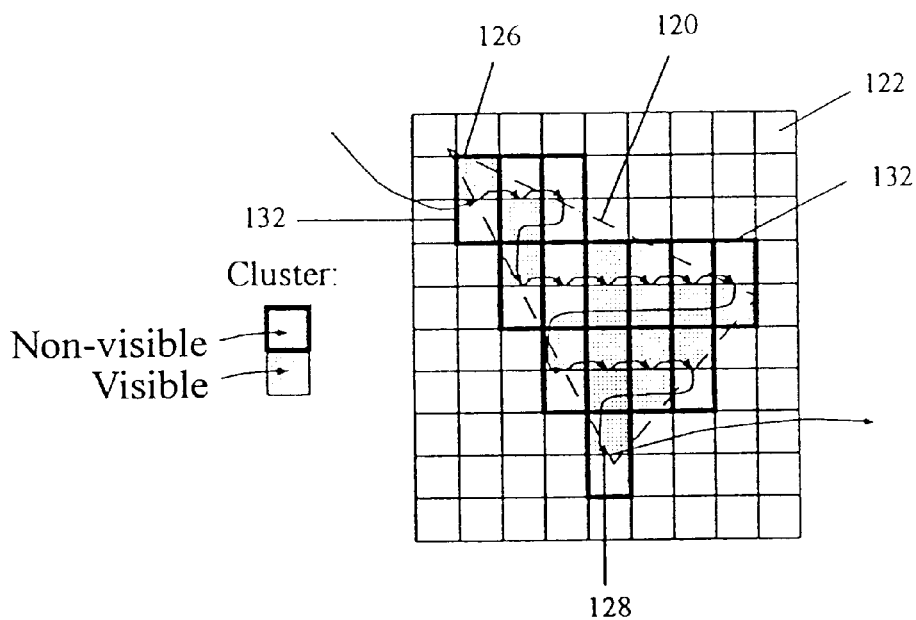


Fig. 4


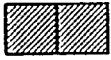
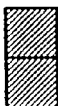
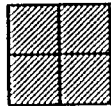
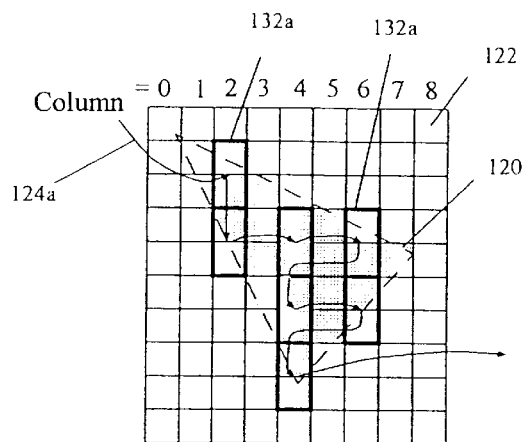
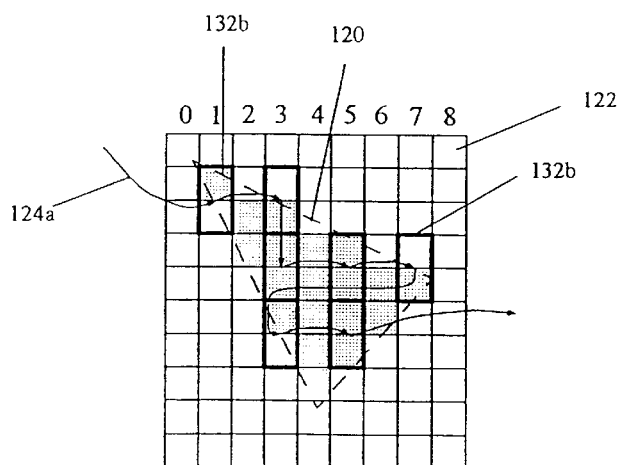
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Fig. 5



A)



B) Fig. 6

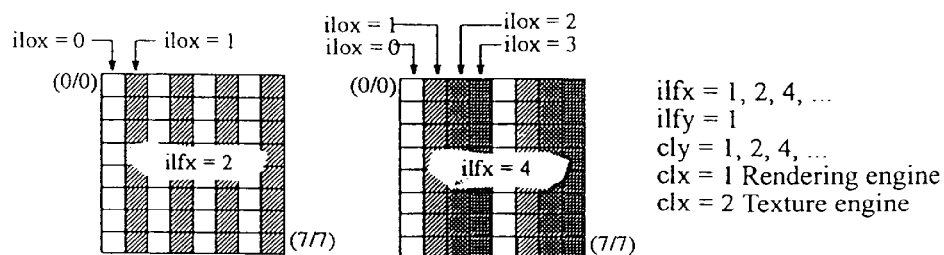


Fig. 7

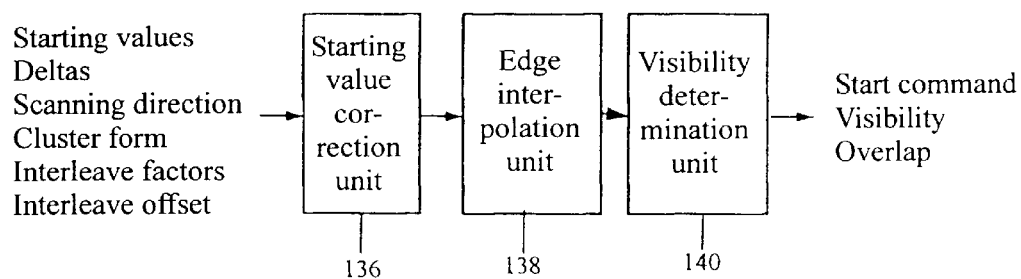


Fig. 8

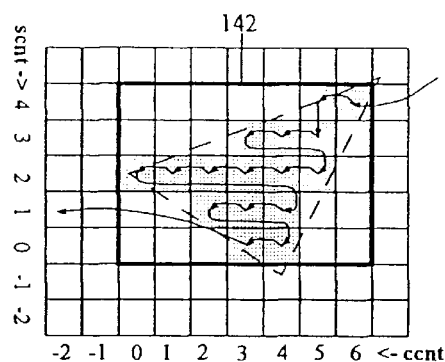


Fig. 9

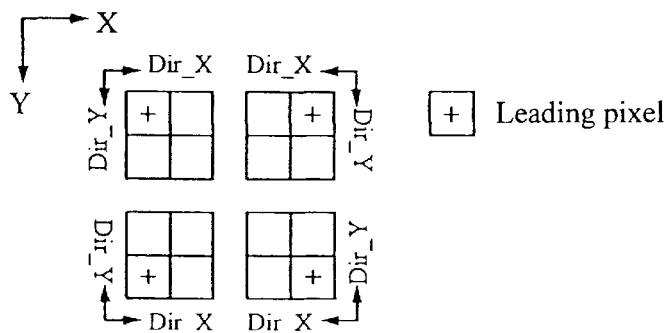


Fig. 10

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