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Yap et al.

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(54) **APPARATUS AND METHOD FOR REALTIME VISUALIZATION USING USER-DEFINED DYNAMIC, MULTI-FOVEATED IMAGES**

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(52) **U.S. Cl.** **709/203; 709/246**

(58) **Field of Search** 709/217, 219, 709/246, 247, 203; 707/10; 382/103, 233, 235, 232, 240, 302

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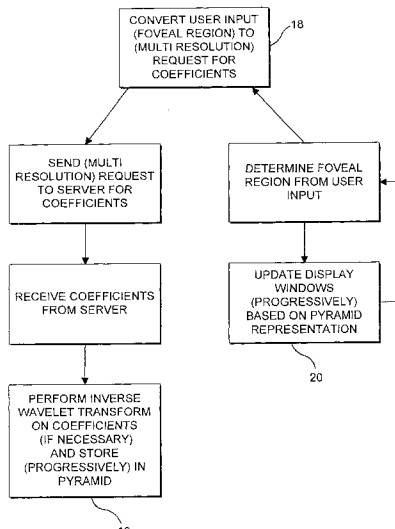
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(57) **ABSTRACT**

A client apparatus which enables a realtime visualization of at least one image. The client apparatus includes a storage device which stores first data corresponding to a multifoveated representation of an original image, and a user input device which providing second data corresponding to at least one visualization command of at least one user. In addition, the client apparatus includes a processing arrangement which generates third data corresponding to a multifoveated image using the first data, the second data and a foveation operator.

8 Claims, 6 Drawing Sheets



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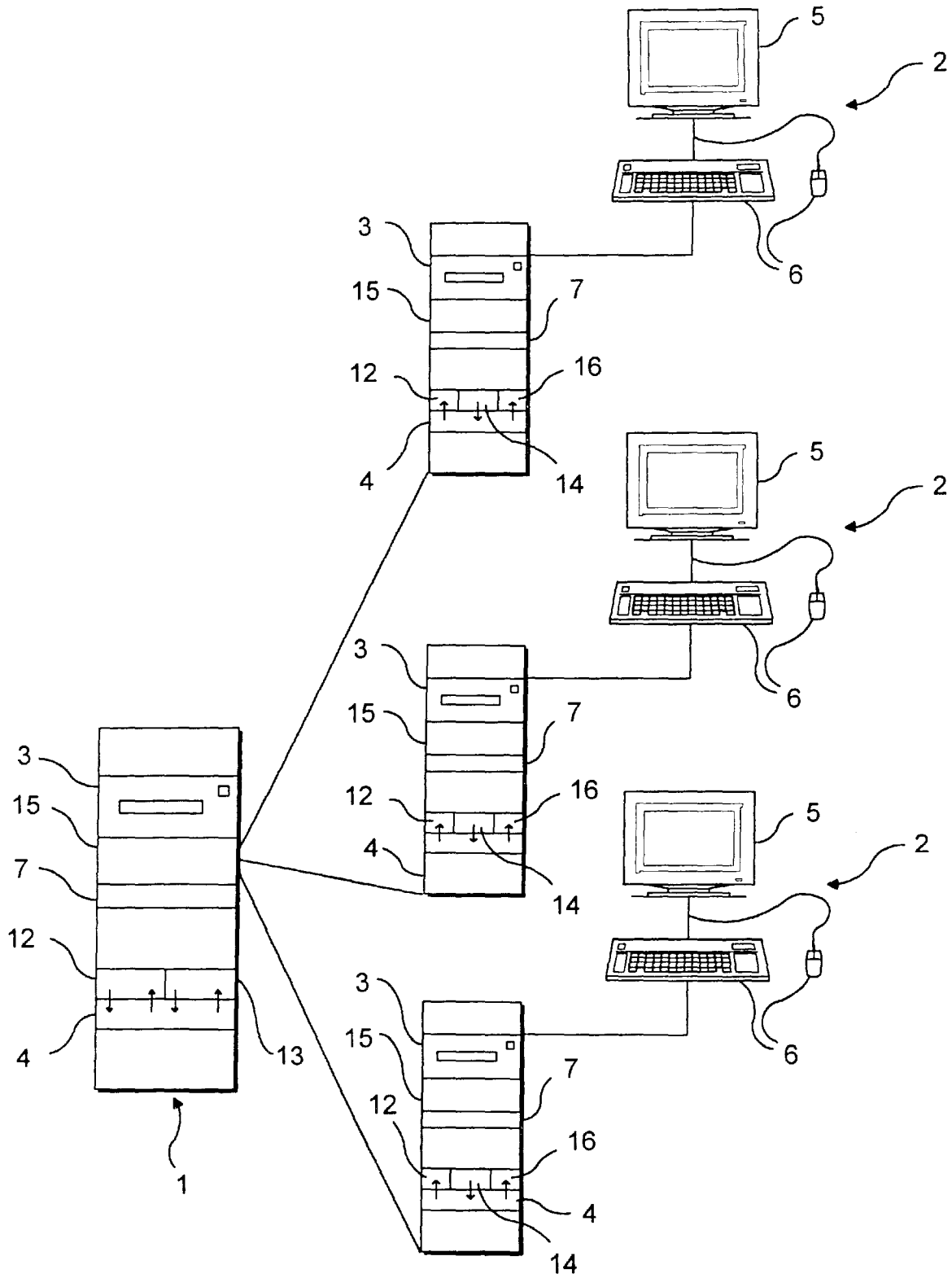


FIG. 1

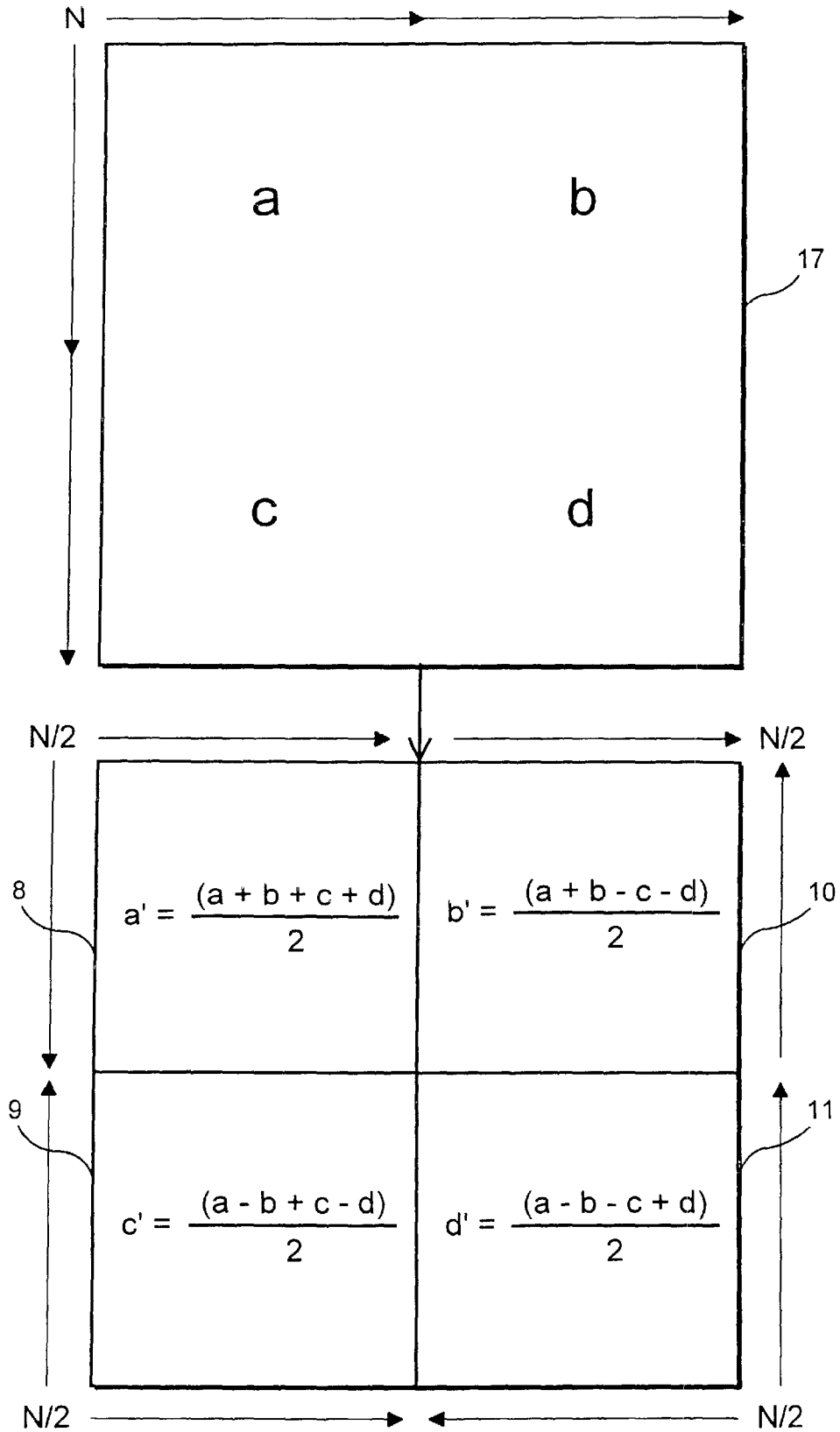


FIG. 2A

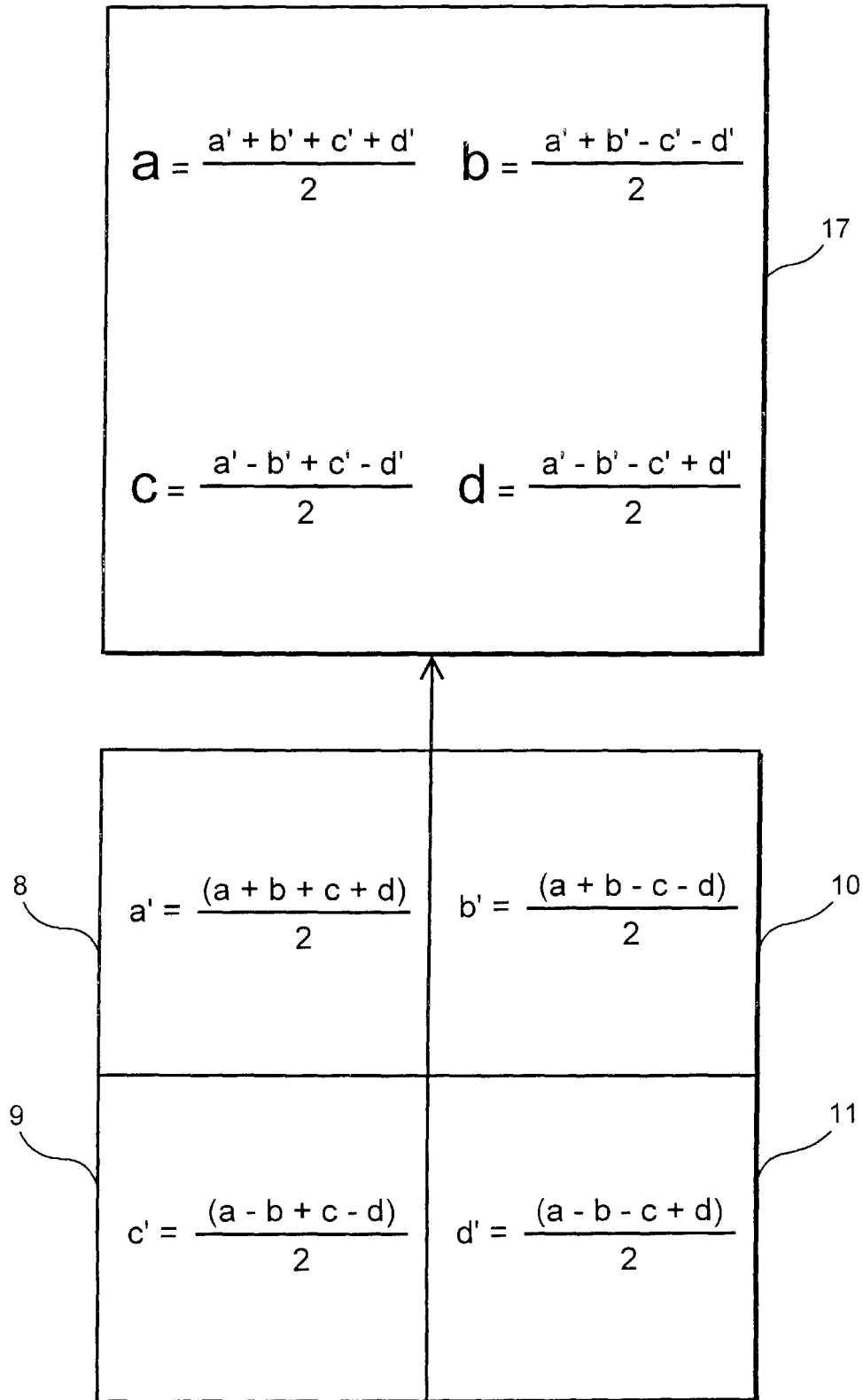


FIG. 2B

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