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(54) Title: SERVER APPARATUS, METHOD, AND SYSTEM FOR IMAGE PROCESSING

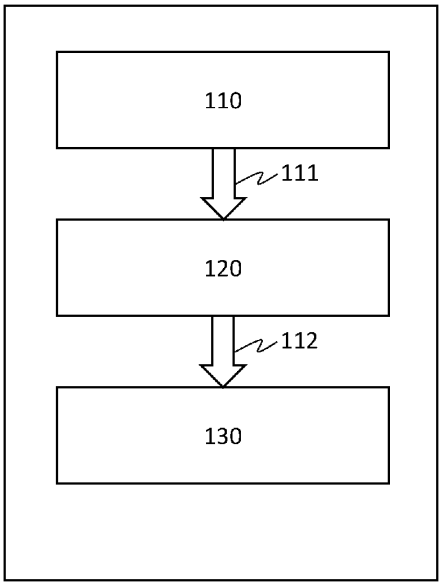


FIG. 1B

(57) Abstract: Disclosed is a server apparatus for image processing, the server apparatus comprising an input module, the input module configured to obtain input image data, the input image data comprising a plurality of differently exposed images; an image processing module configured to process the plurality of differently exposed images to generate a composite image; wherein the image processing module comprises a neural augmented multi-scale exposure fusion function, the neural augmented multi-scale exposure fusion function comprises: a plurality of levels; one or more weight maps of the plurality of differently exposed images, each weight in the one or more weight maps associated with an image of the plurality of differently exposed images; a plurality of first pyramids corresponding to the plurality of levels, the plurality of first pyramids generated based on the one or more weight maps; and a plurality of hybrid pyramids, each of the plurality of hybrid pyramids constructed based on at least one edge- preserving smoothing function using the plurality of first pyramids as input.

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