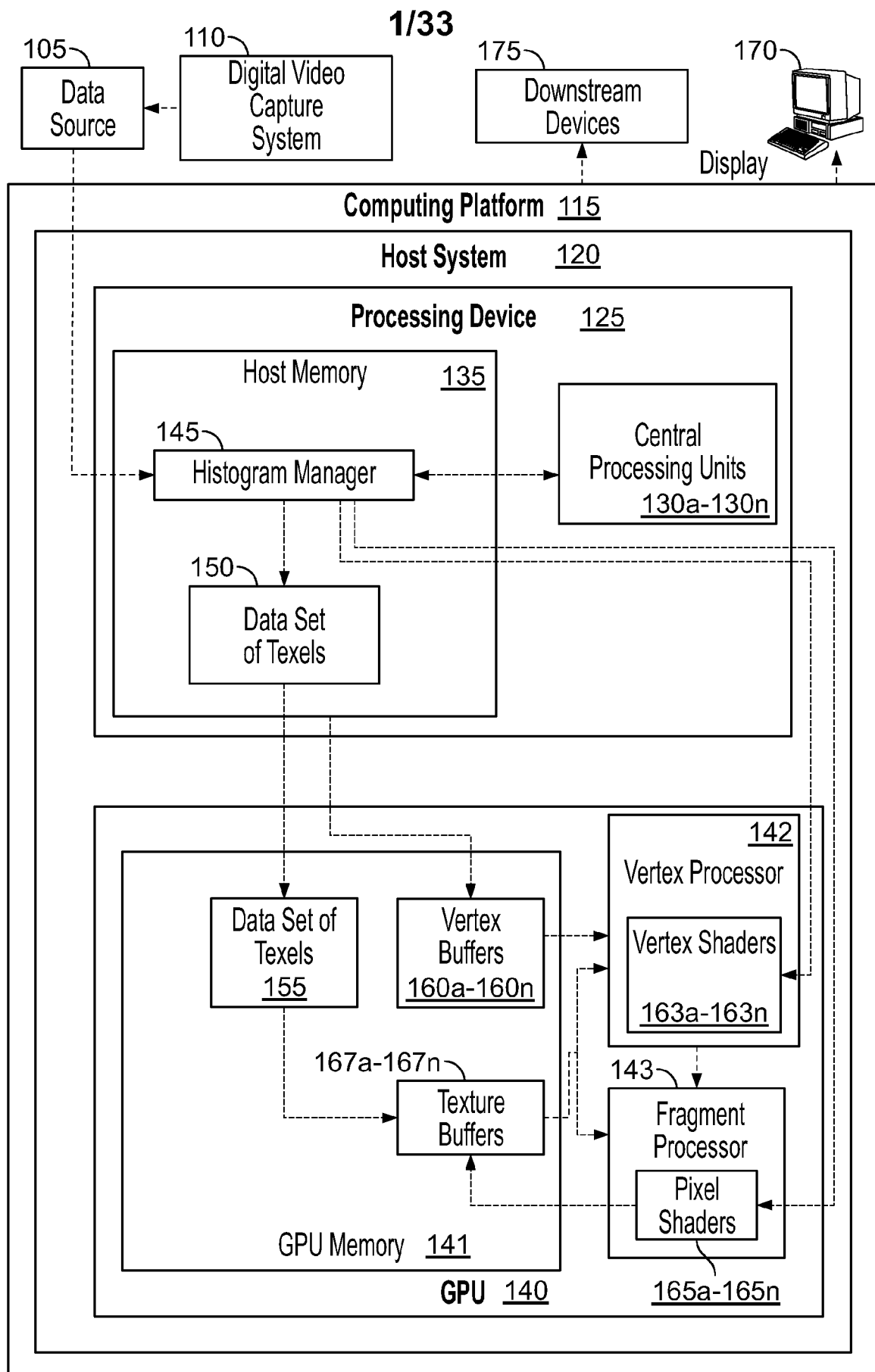


**FIG. 1**

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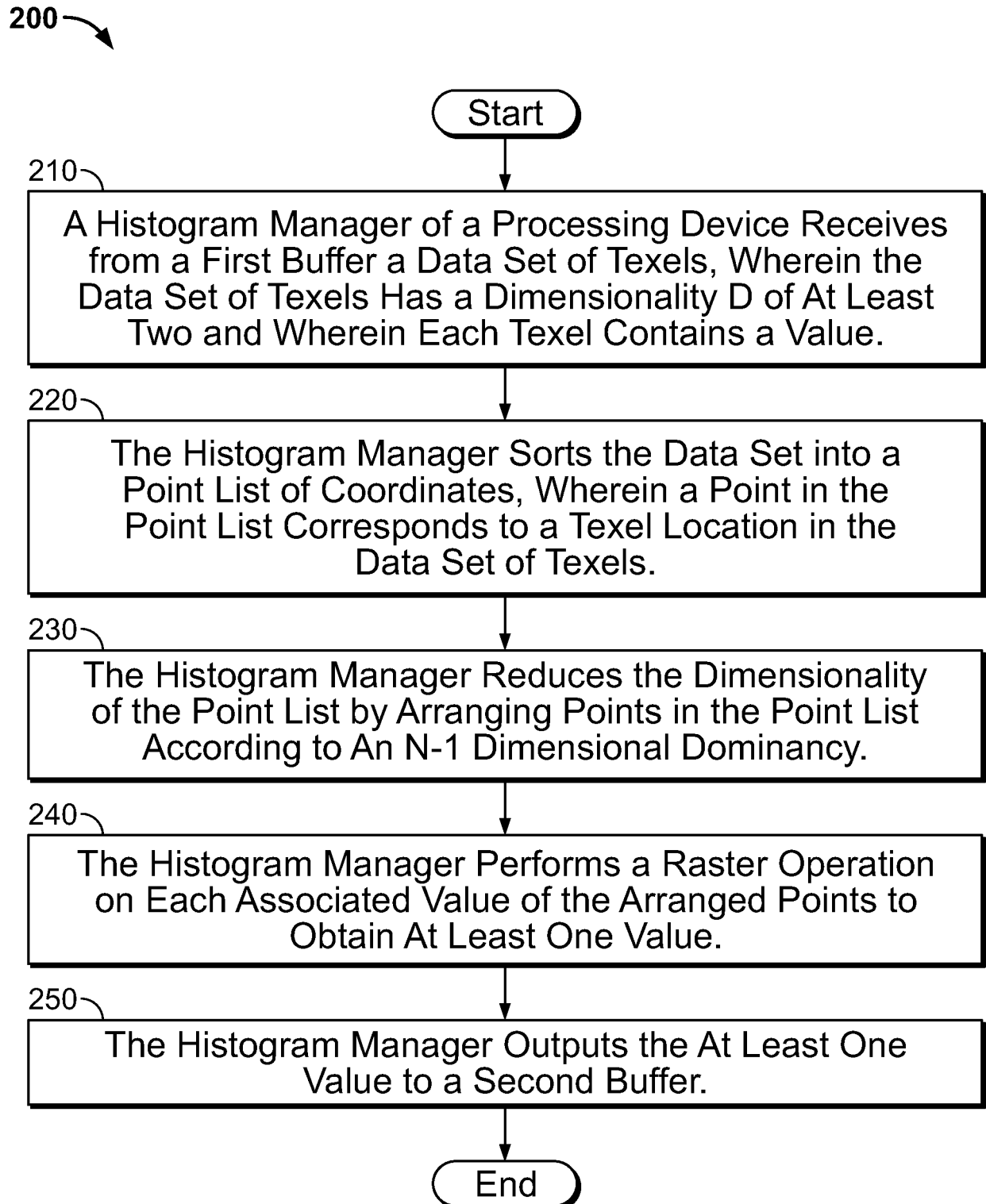


FIG. 2

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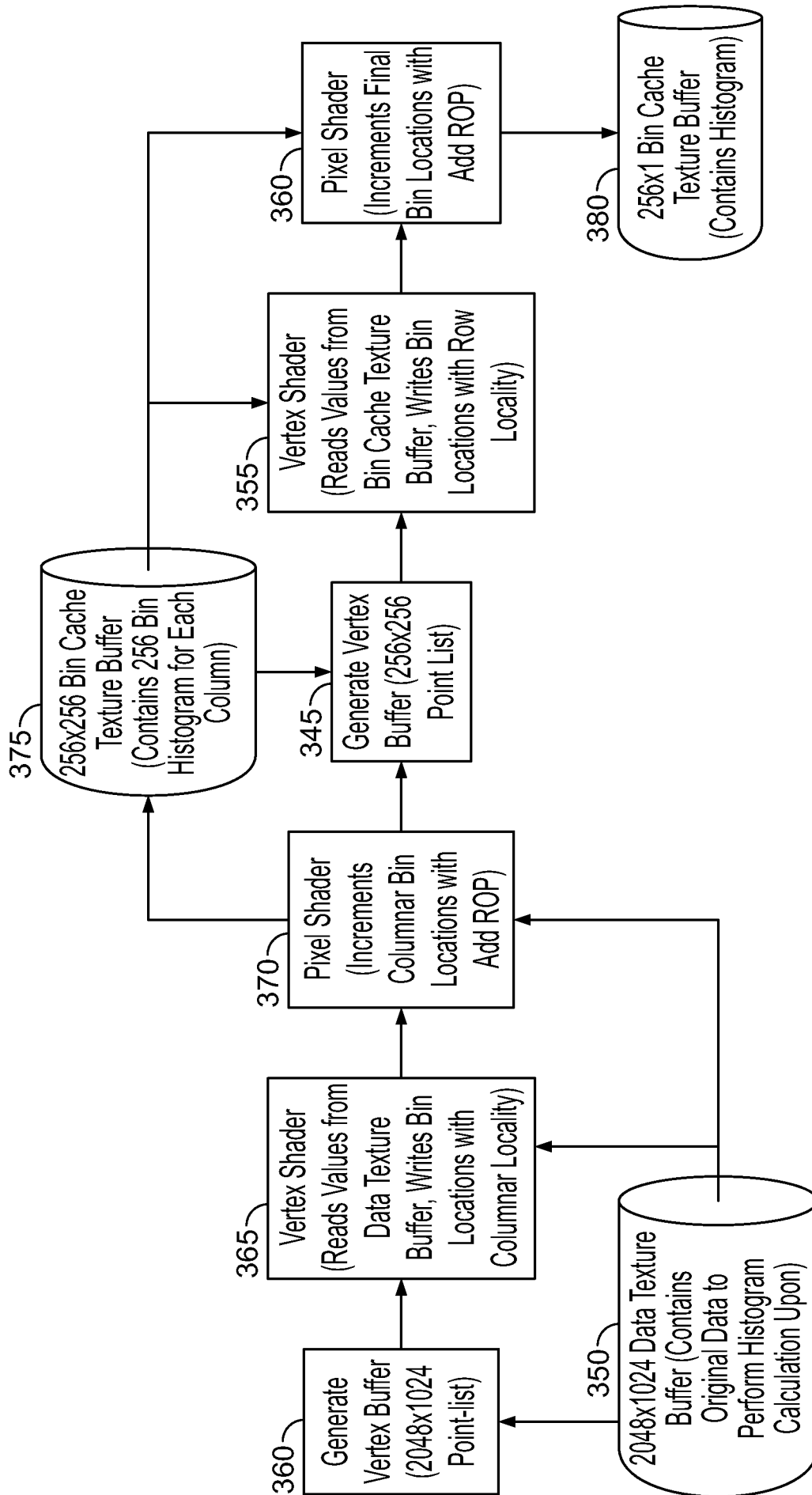


FIG. 3

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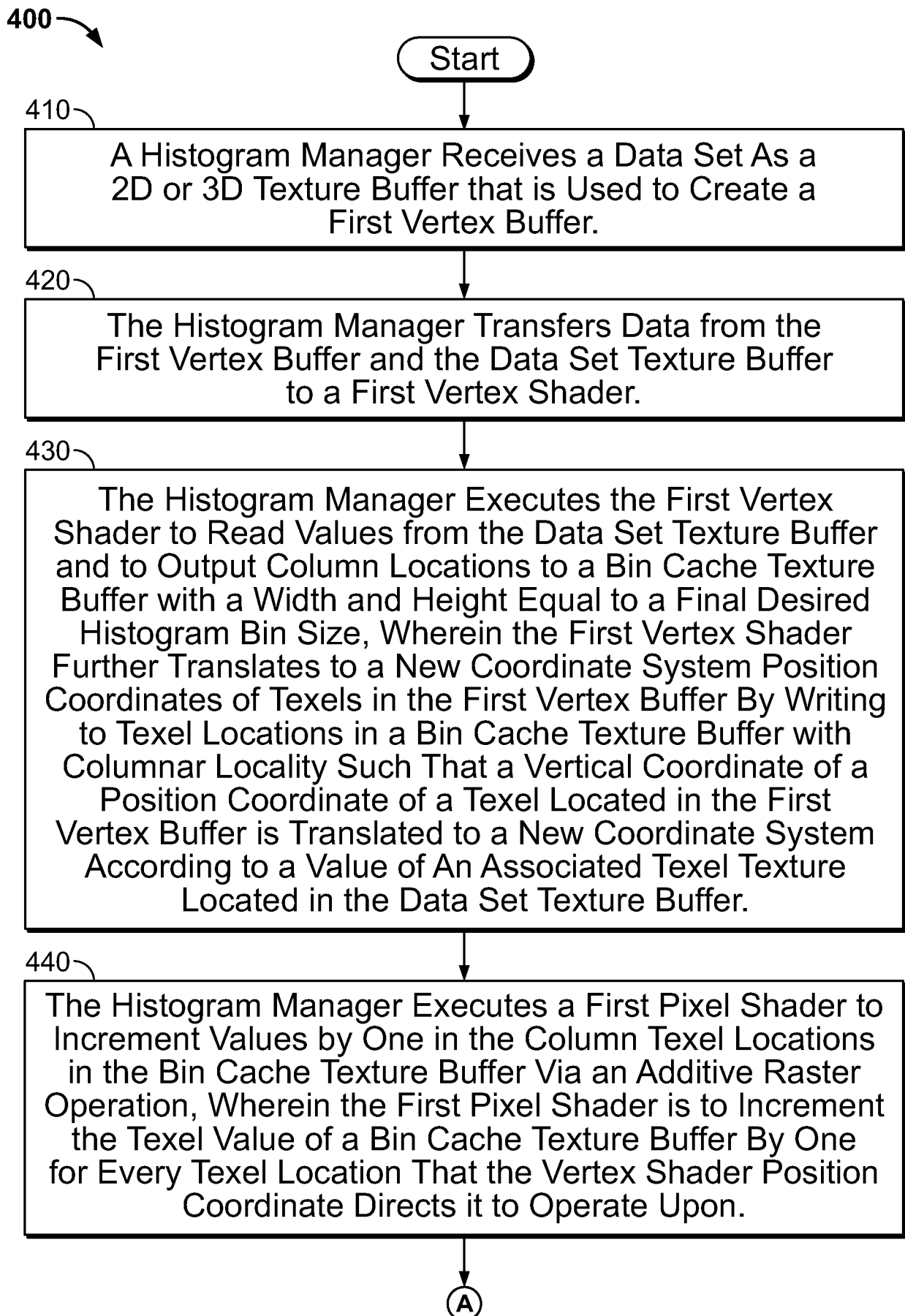


FIG. 4A

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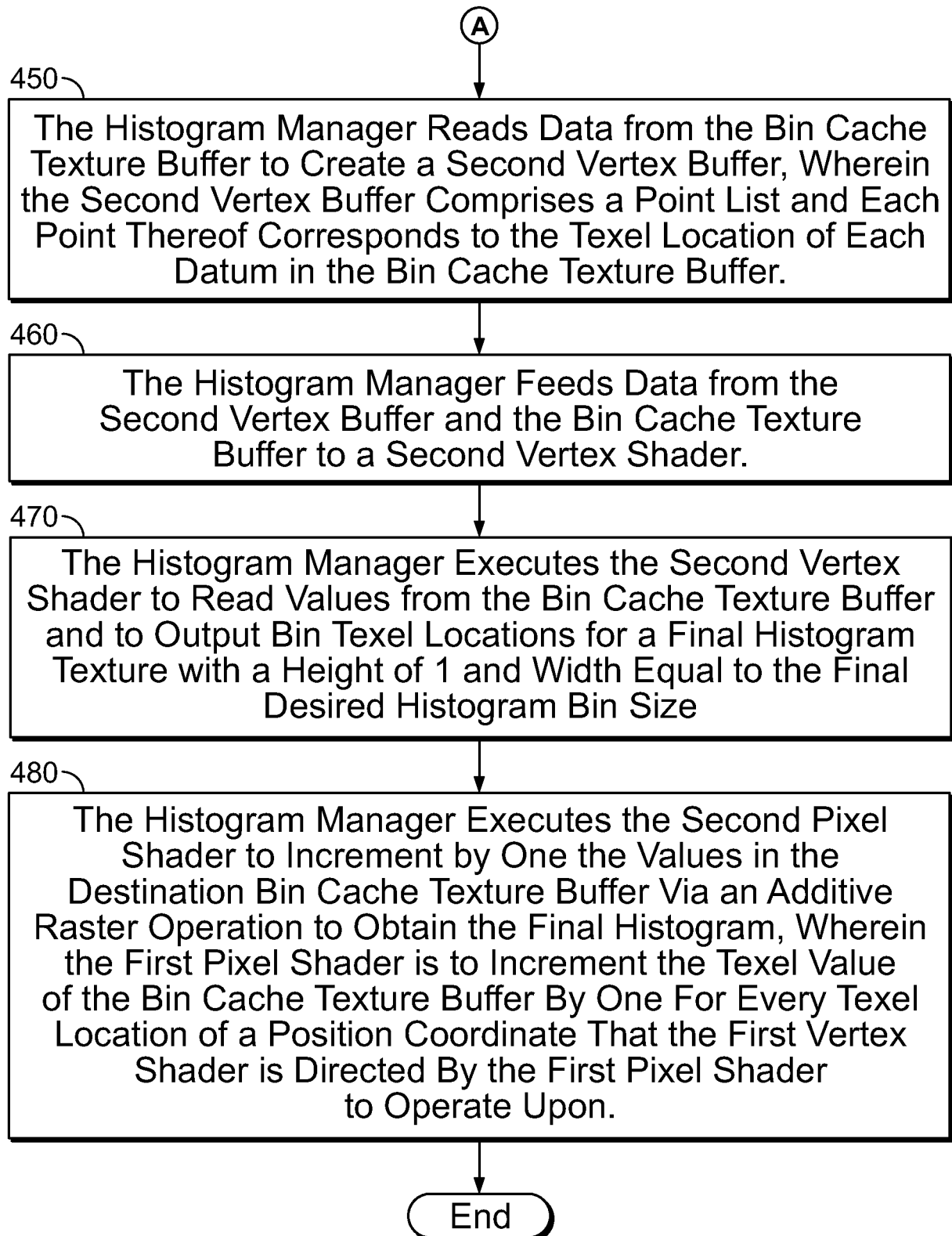
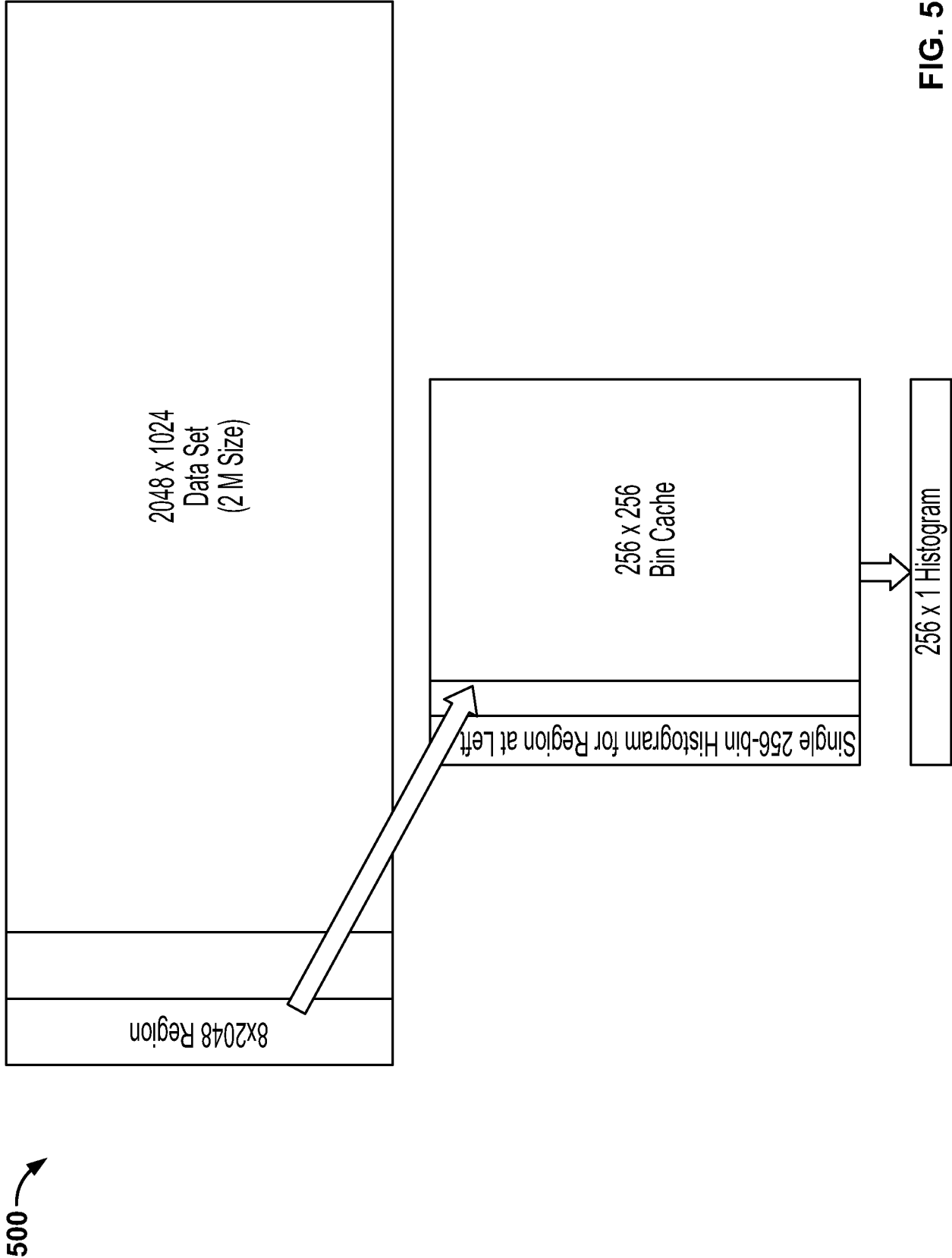


FIG. 4B



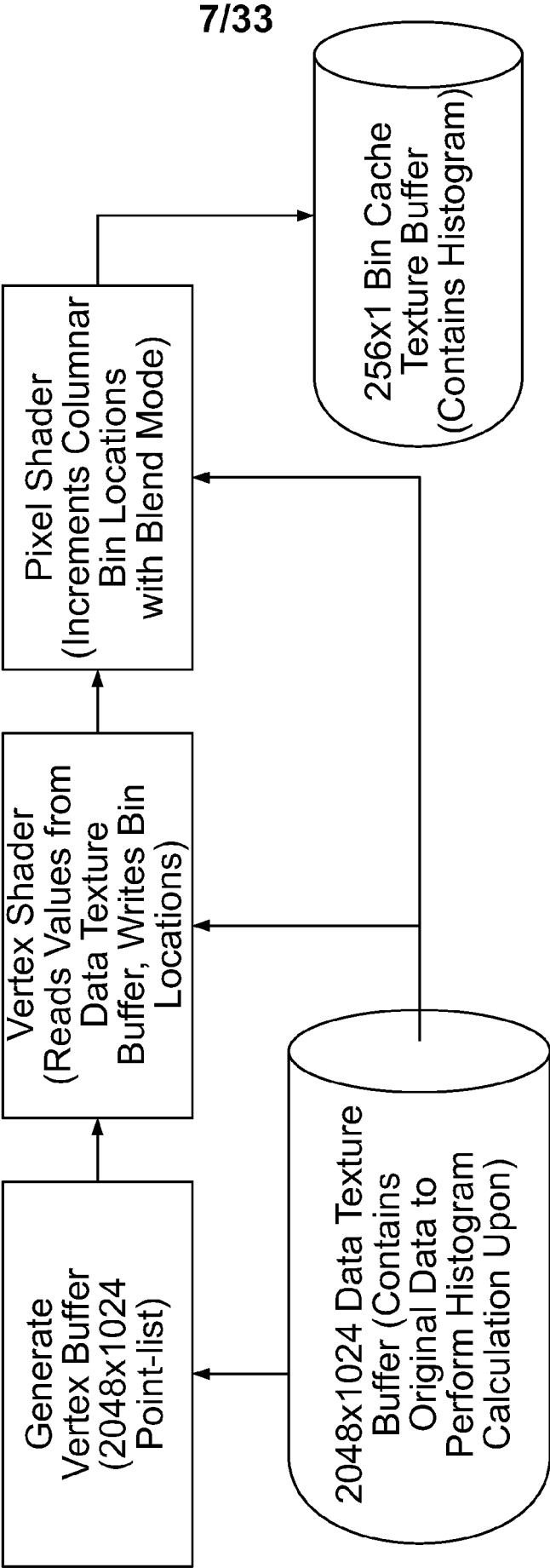


FIG. 6
(Prior Art)

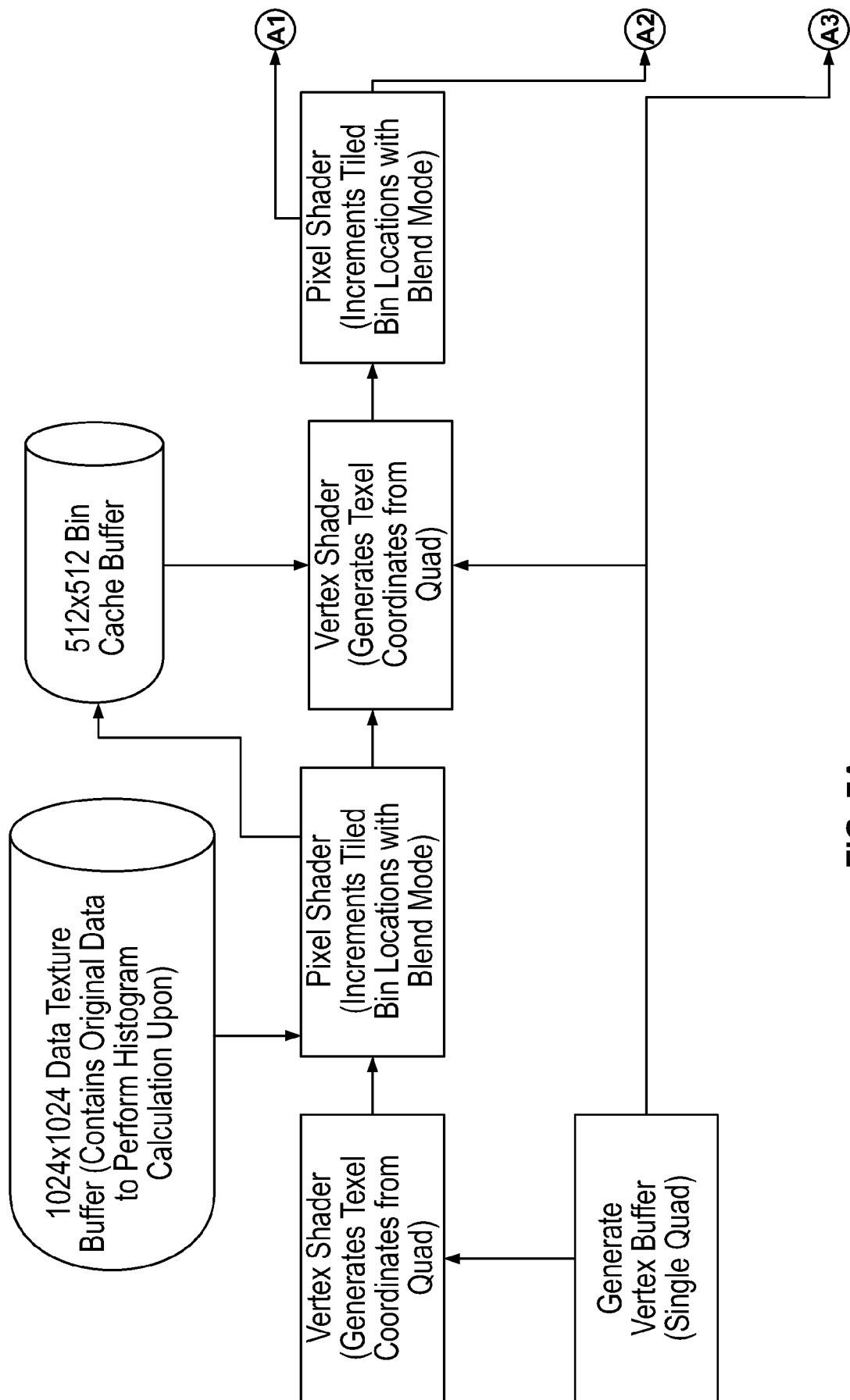


FIG. 7A

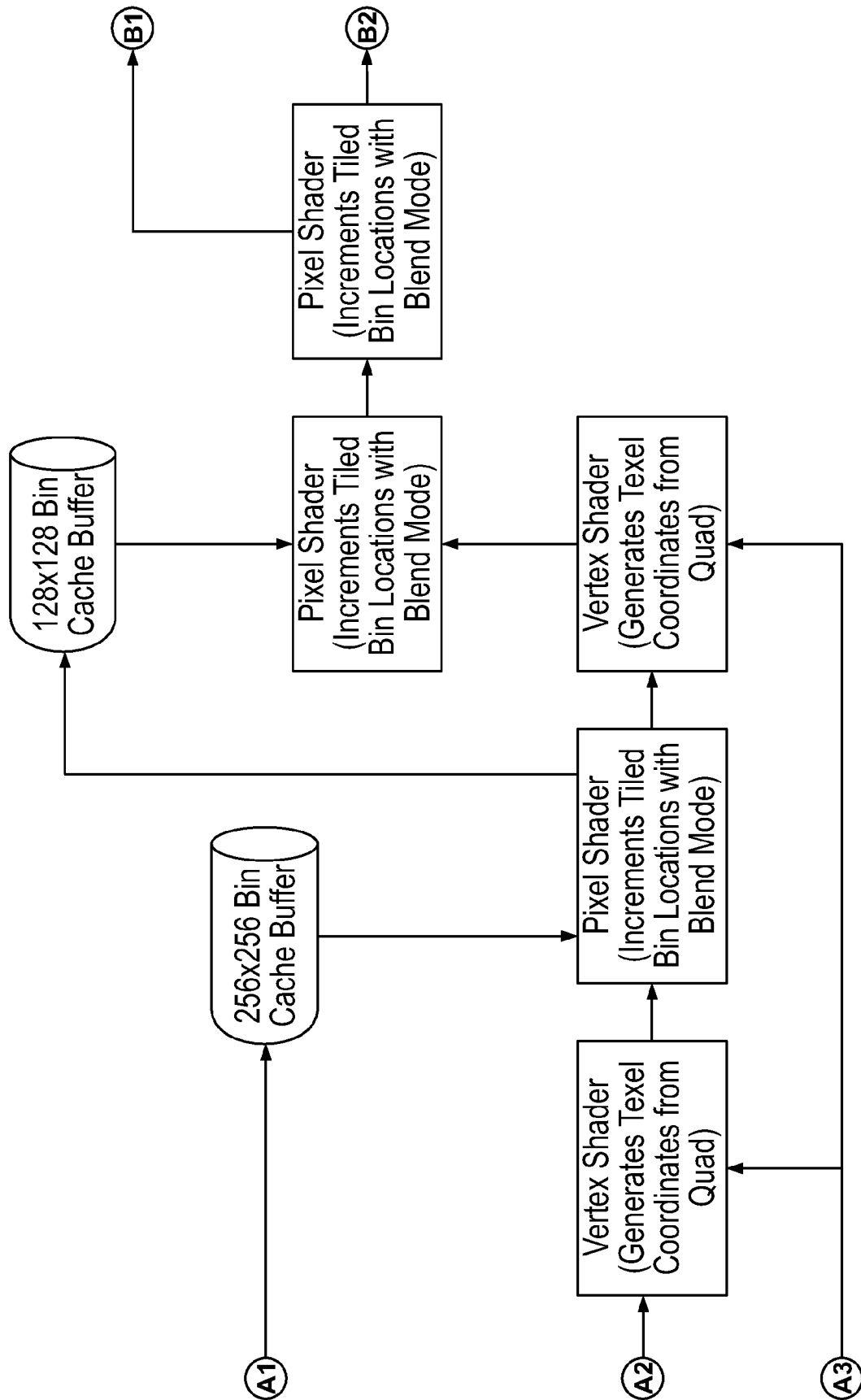


FIG. 7B

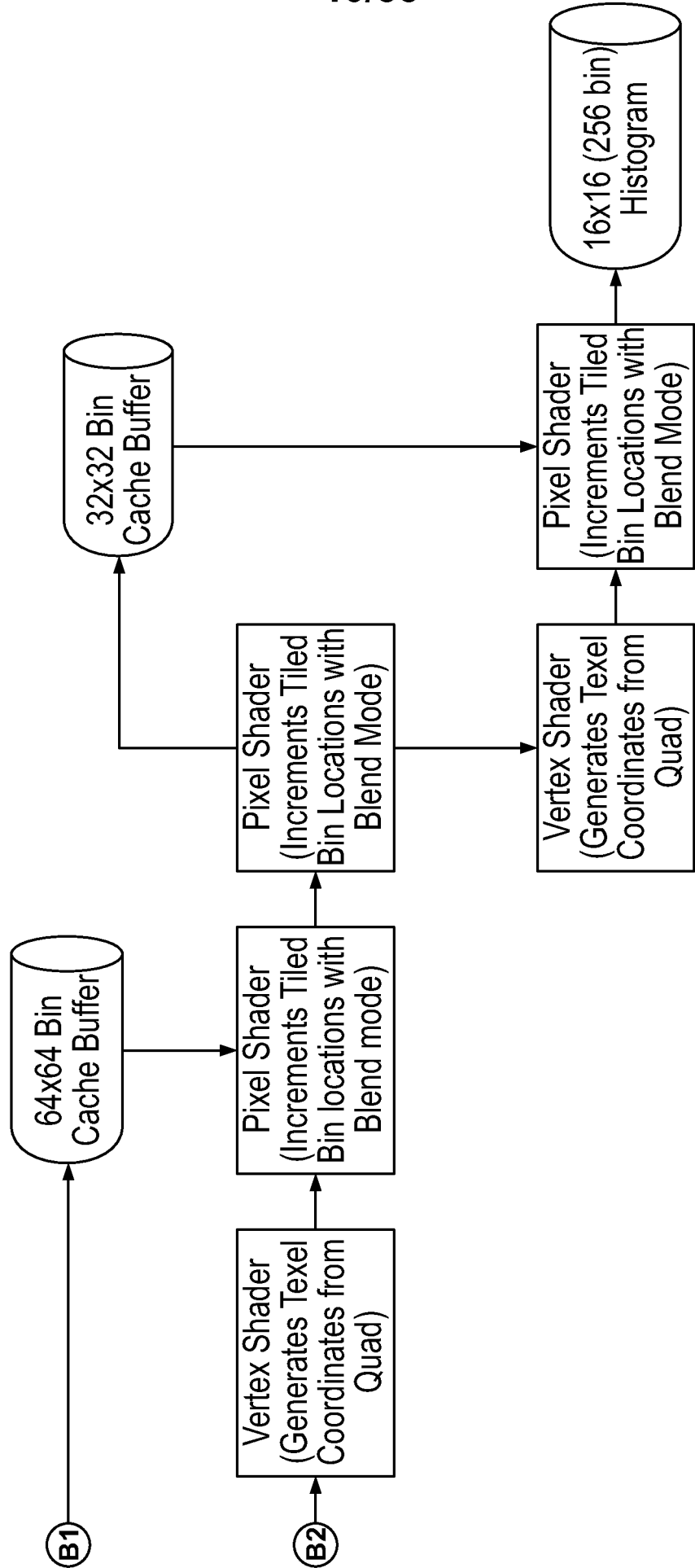


FIG. 7C

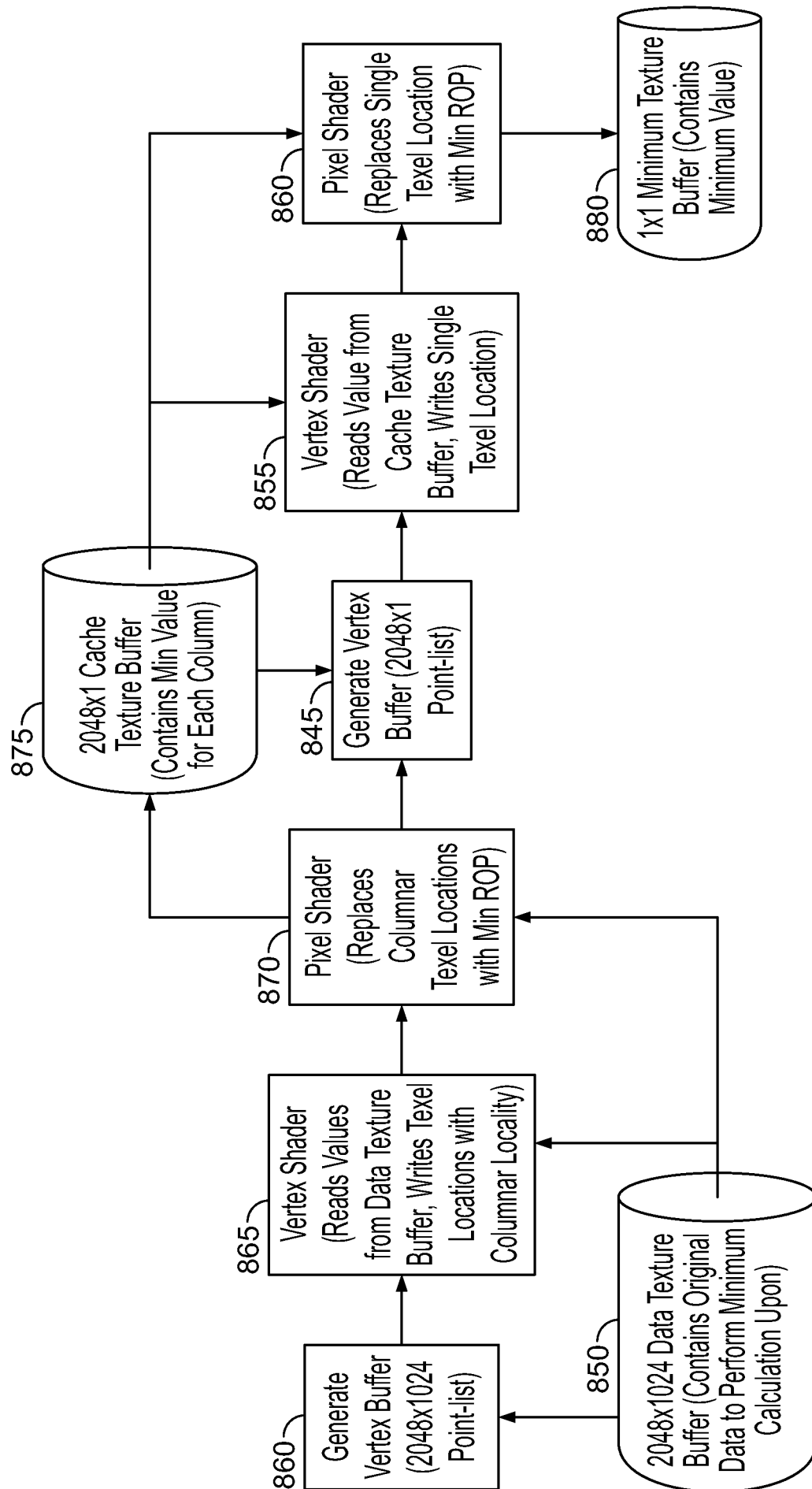


FIG. 8

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900

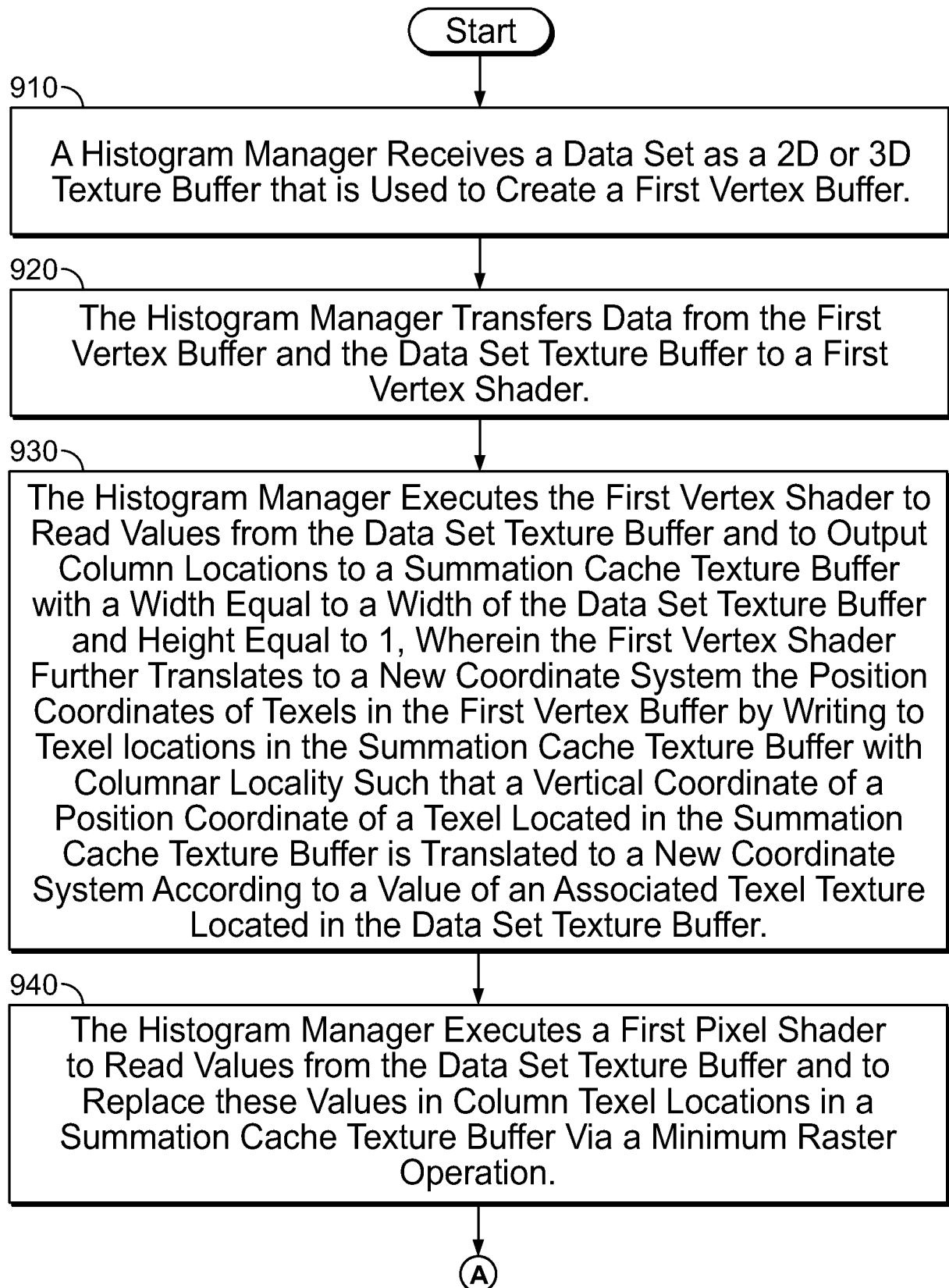


FIG. 9A

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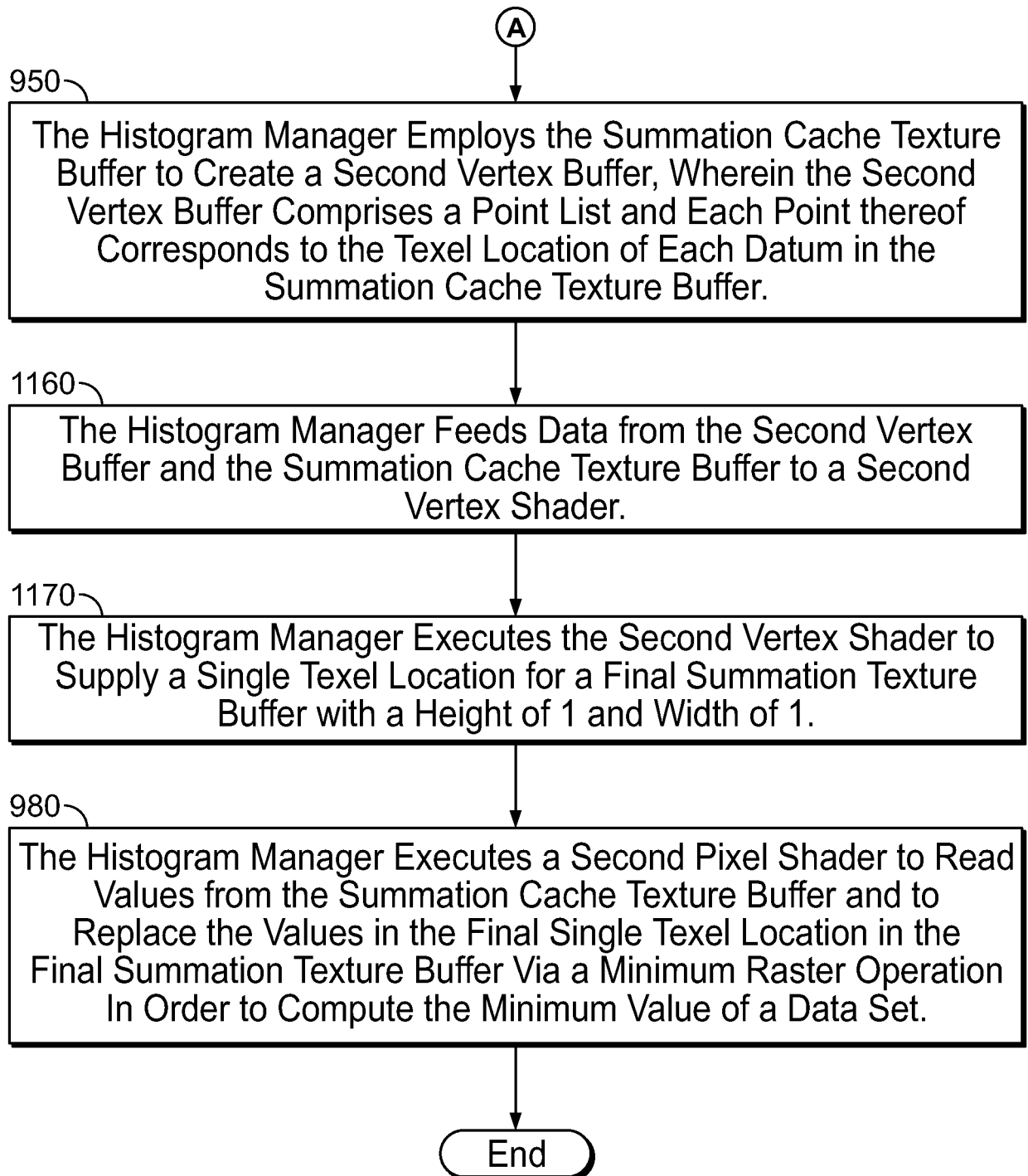


FIG. 9B

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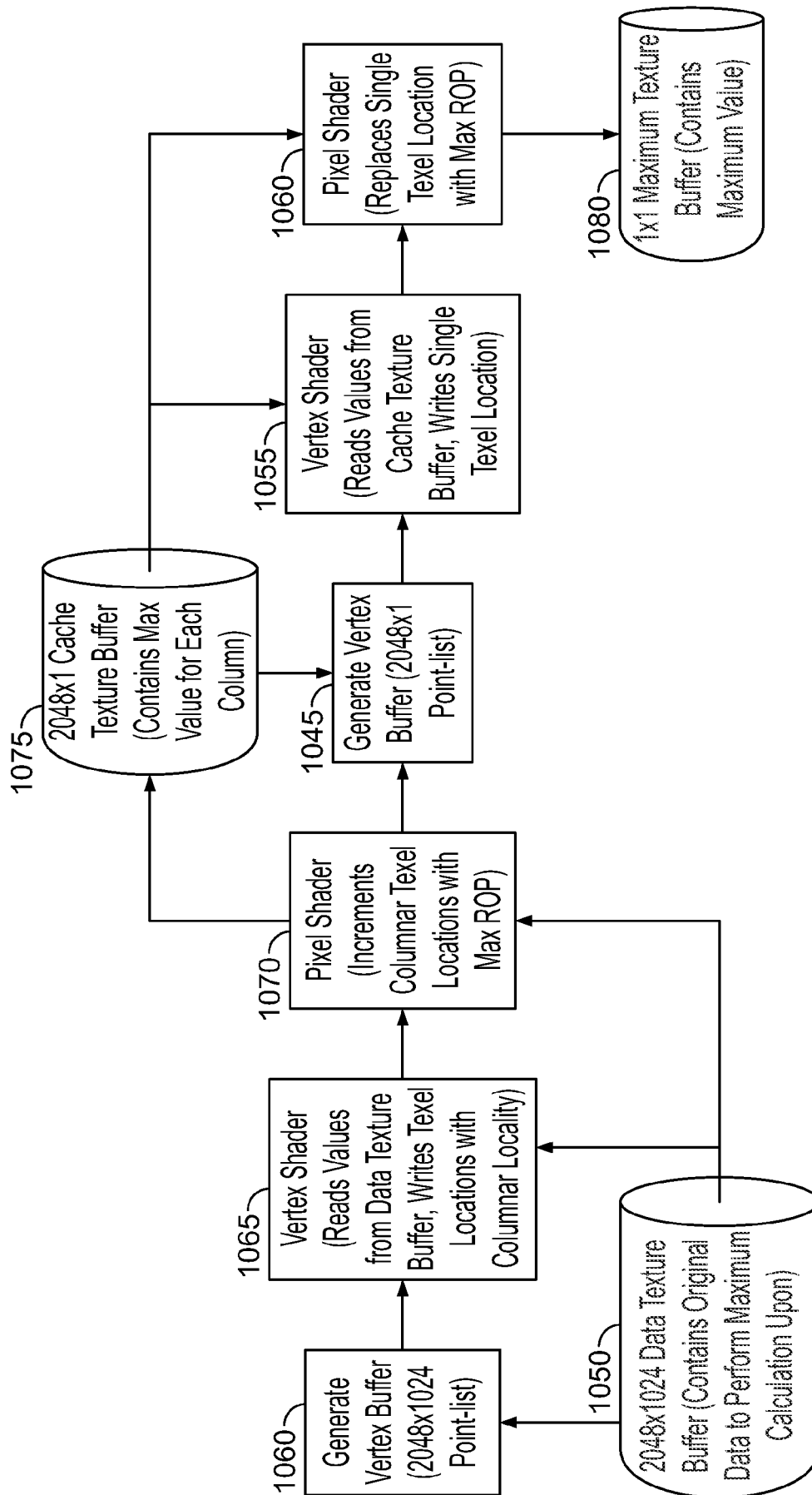


FIG. 10

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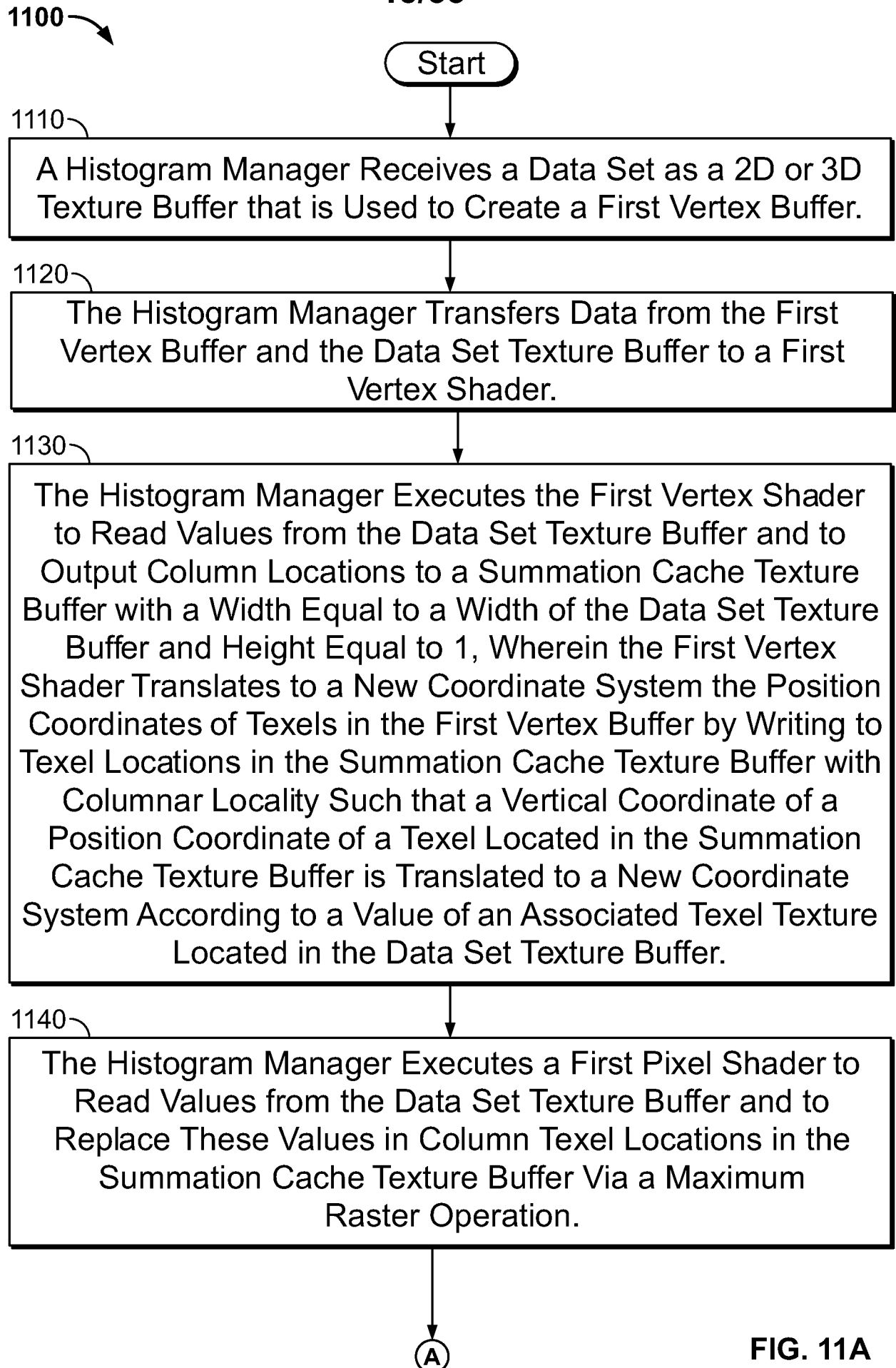


FIG. 11A

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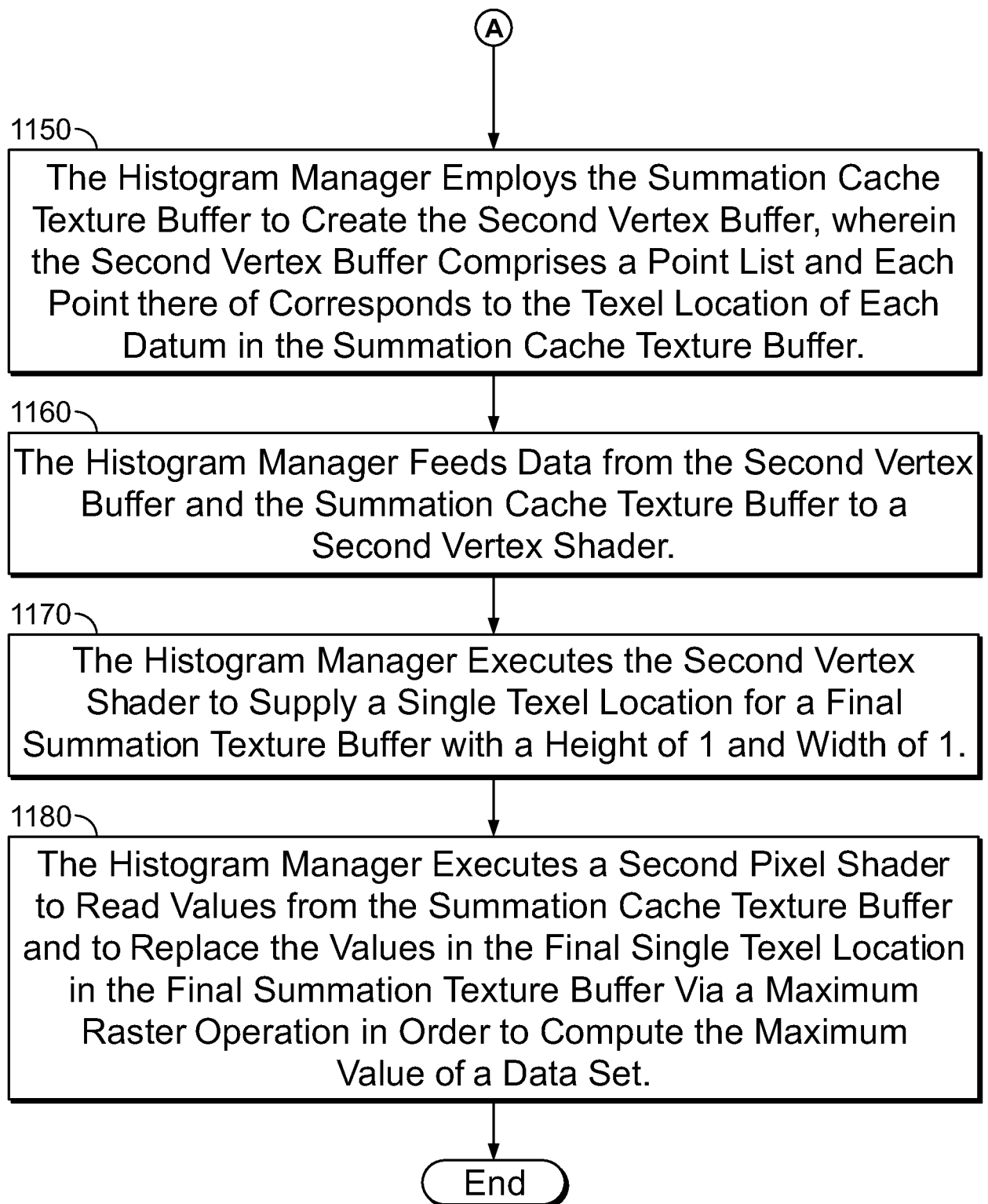


FIG. 11B

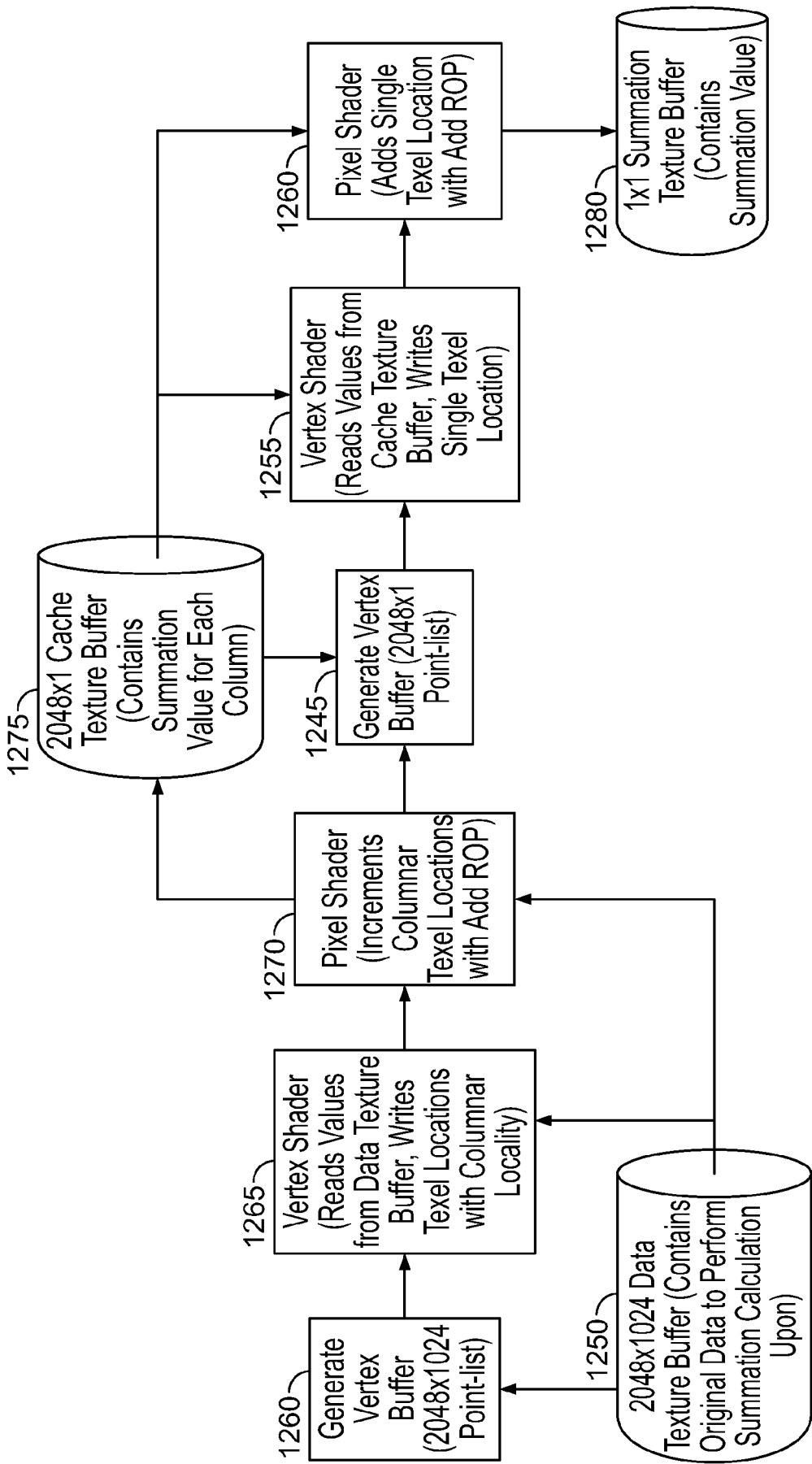


FIG. 12

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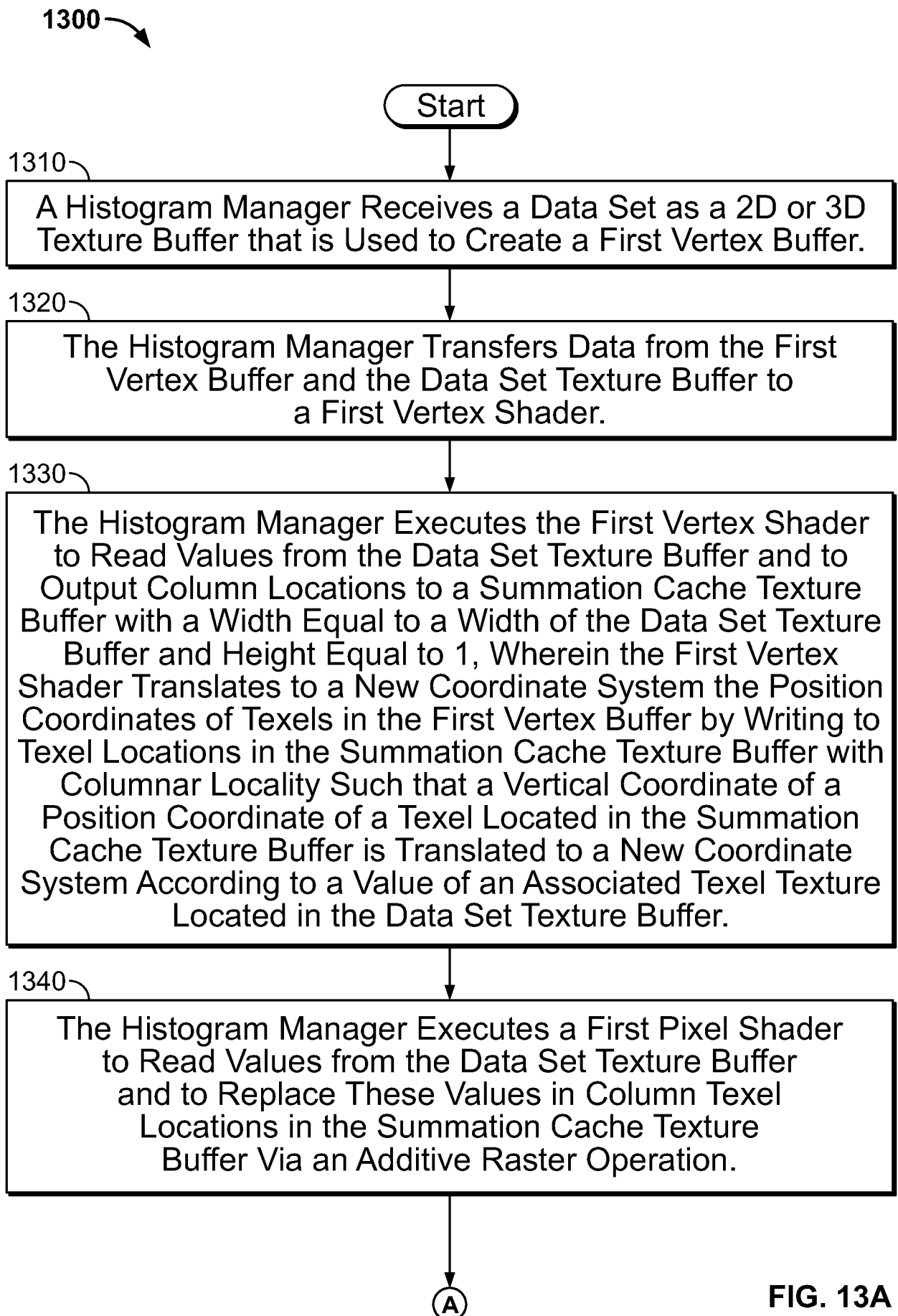


FIG. 13A

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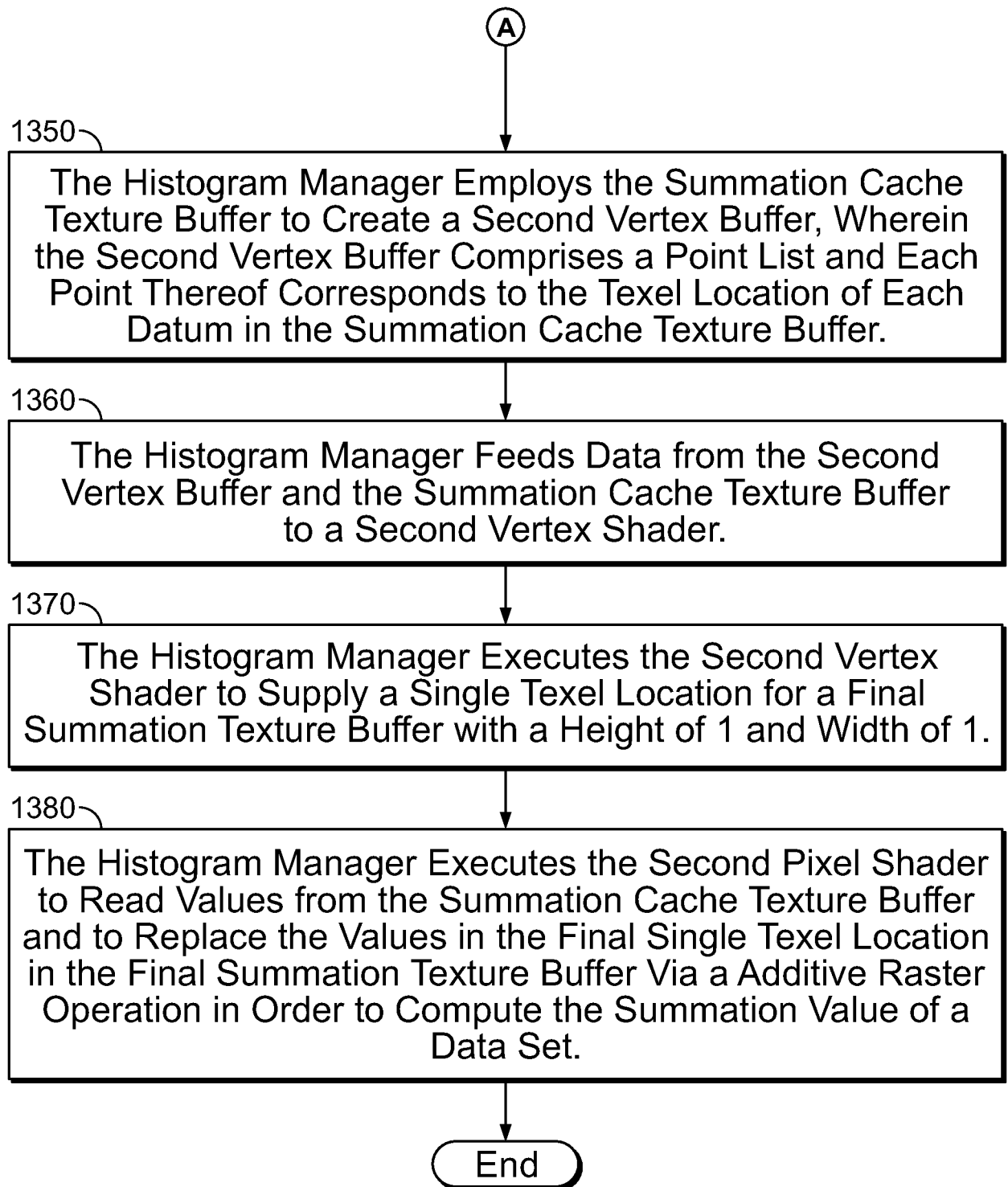


FIG. 13B

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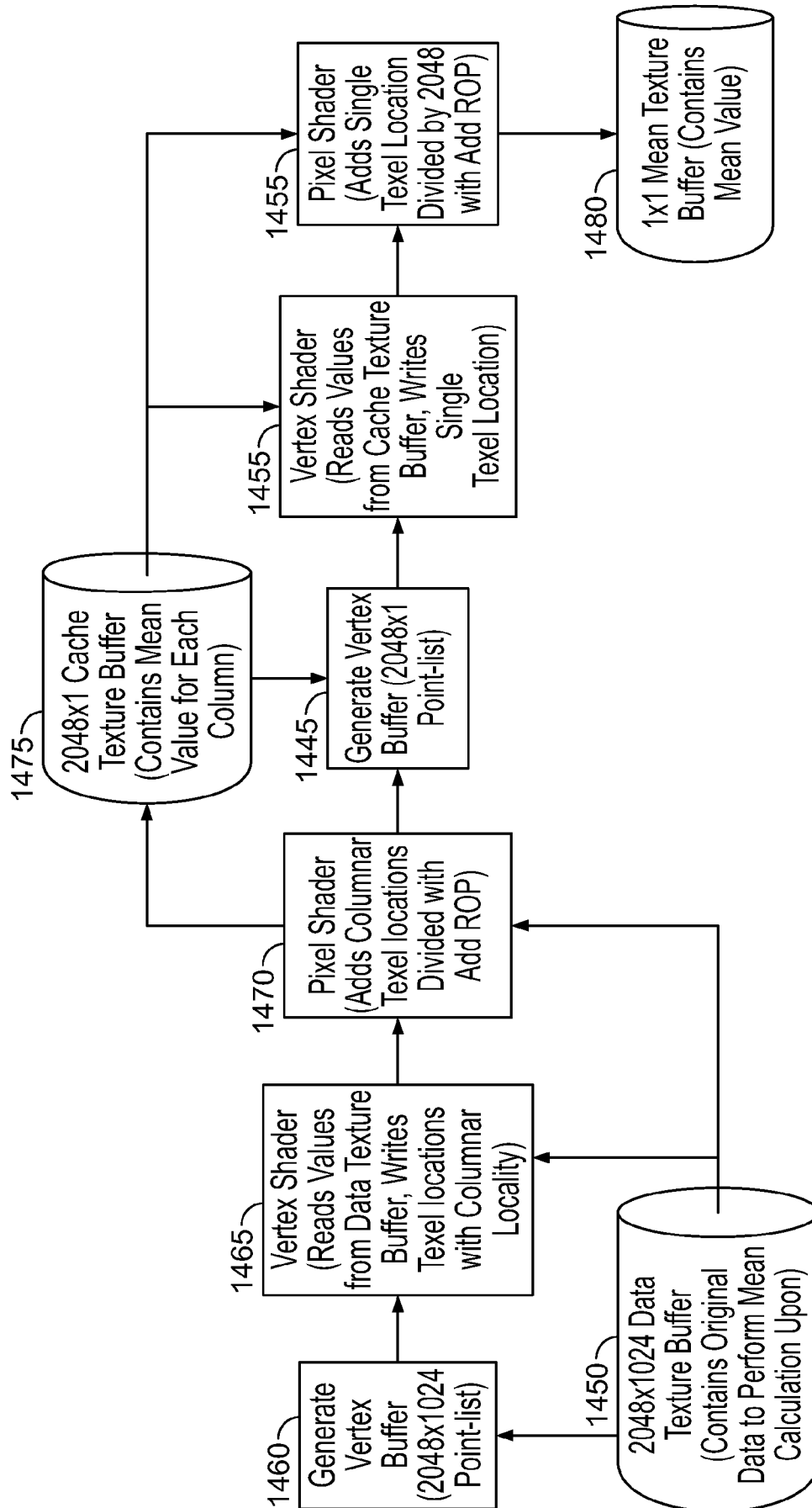


FIG. 14

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1500

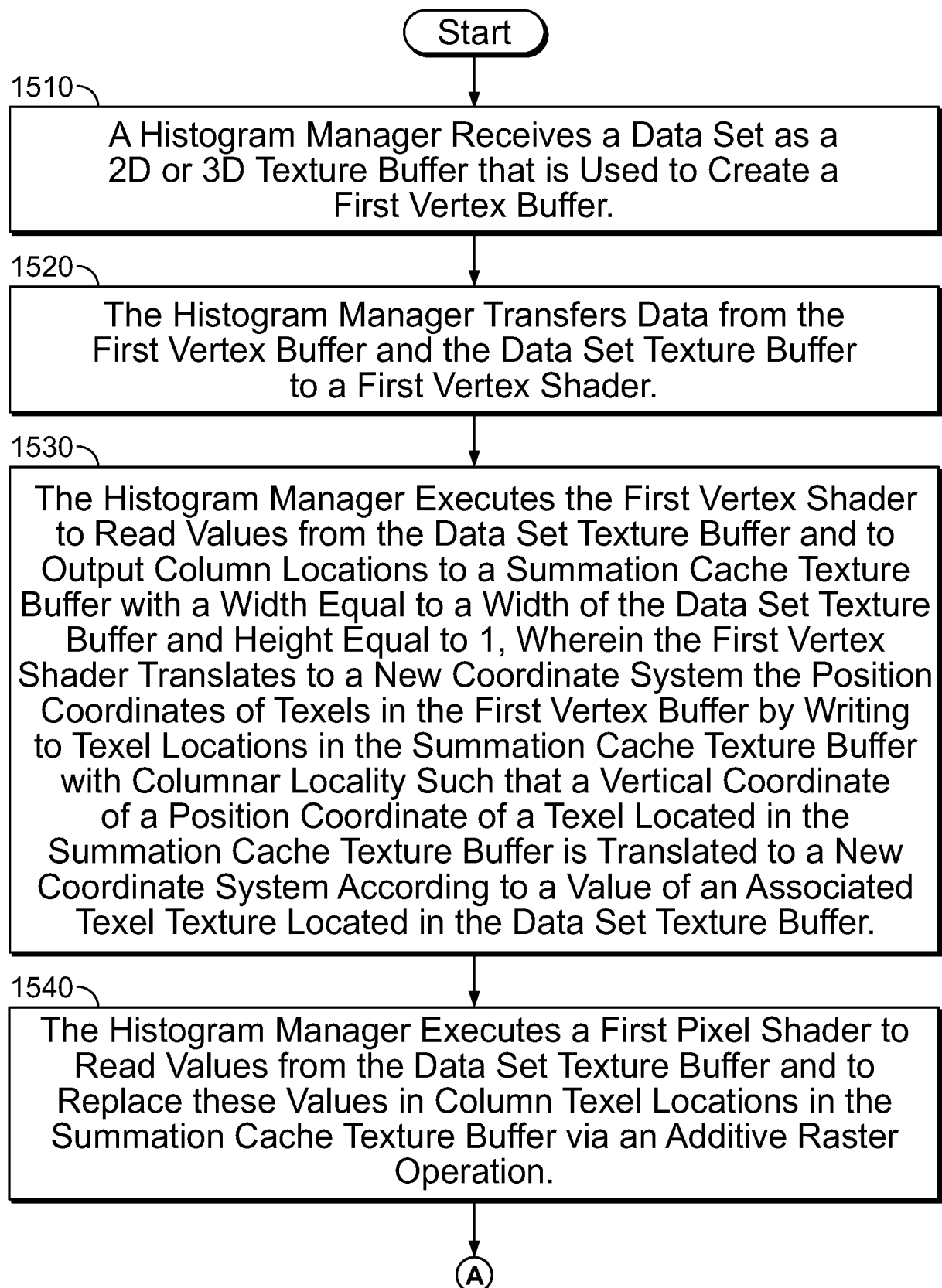


FIG. 15A

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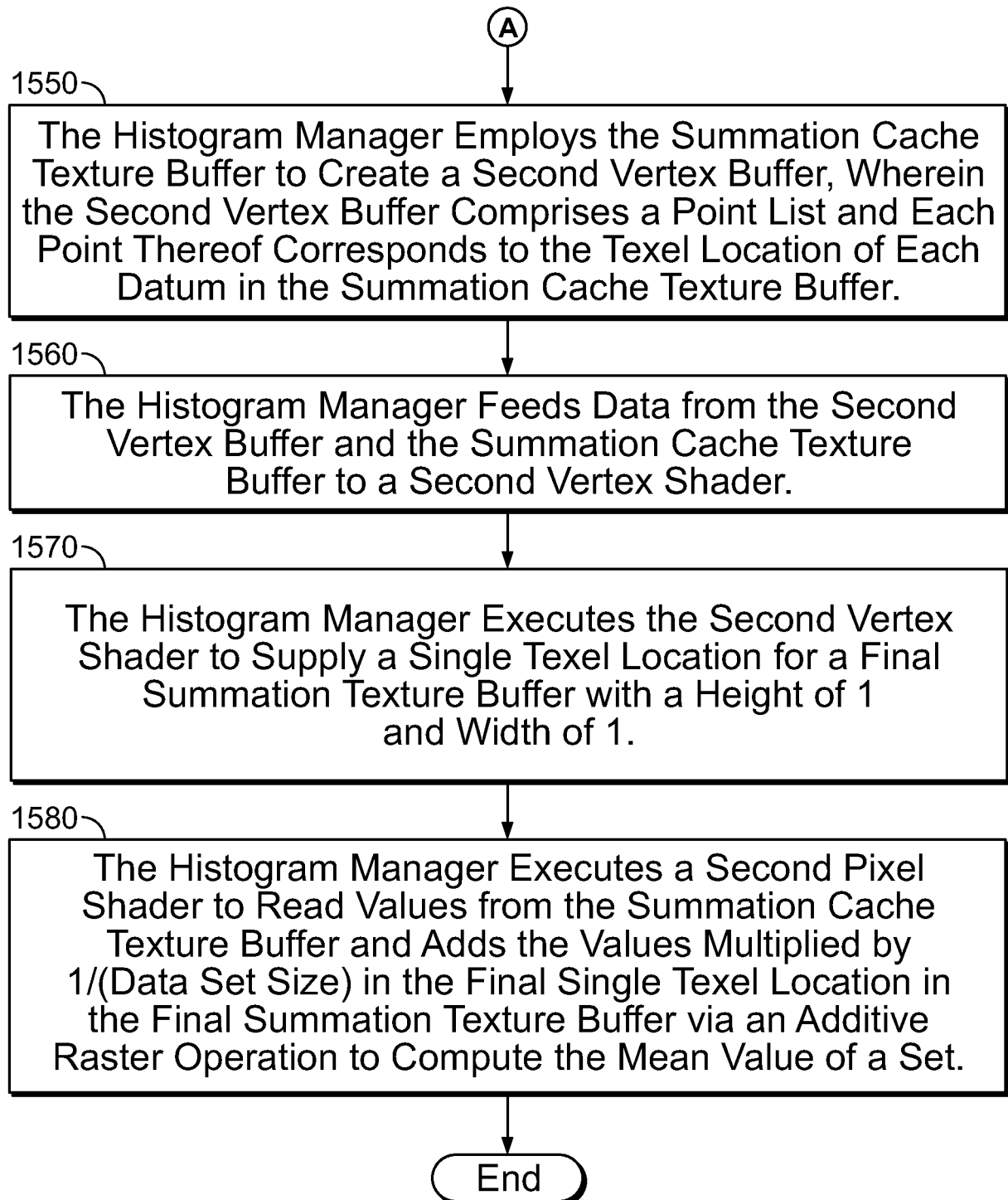


FIG. 15B

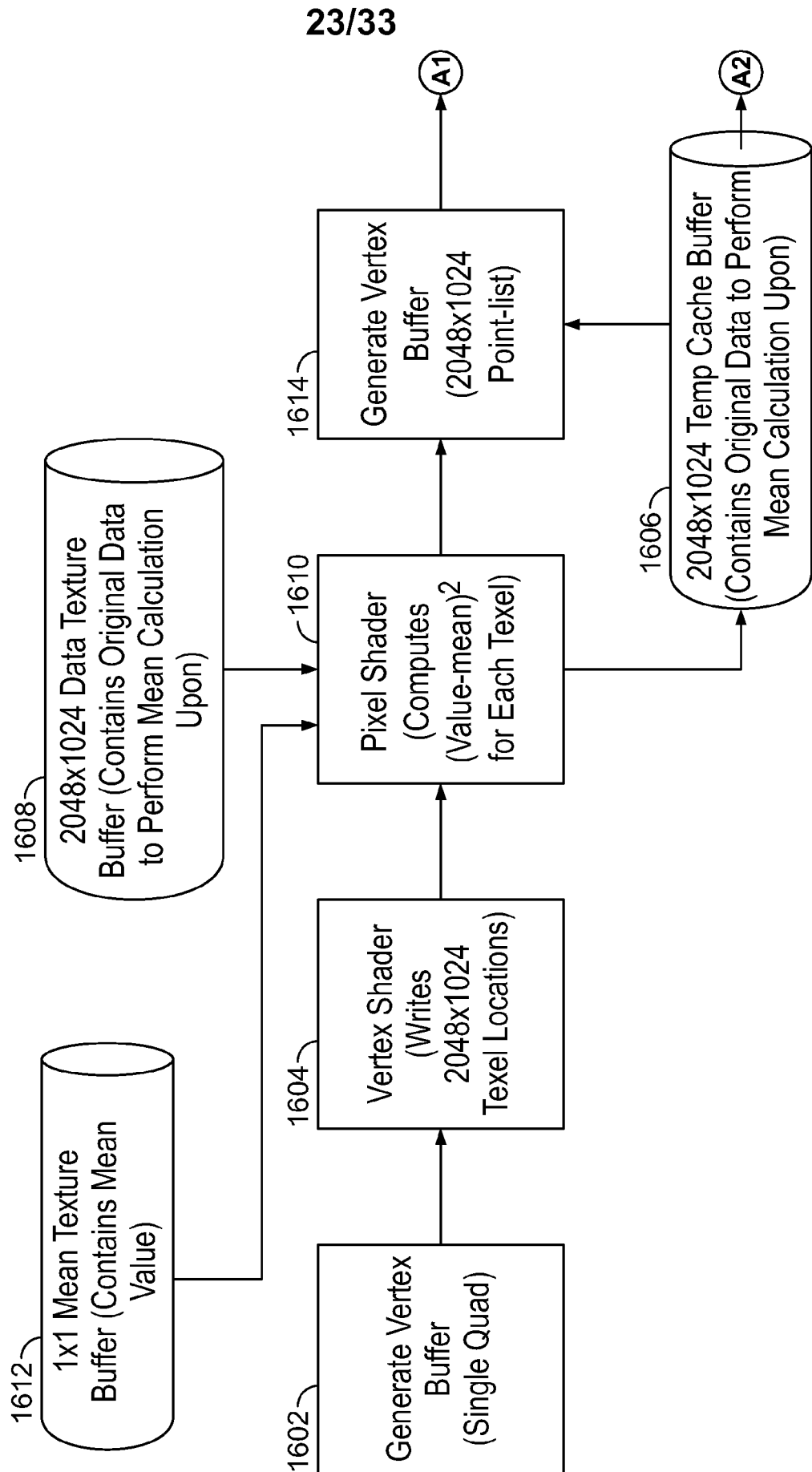
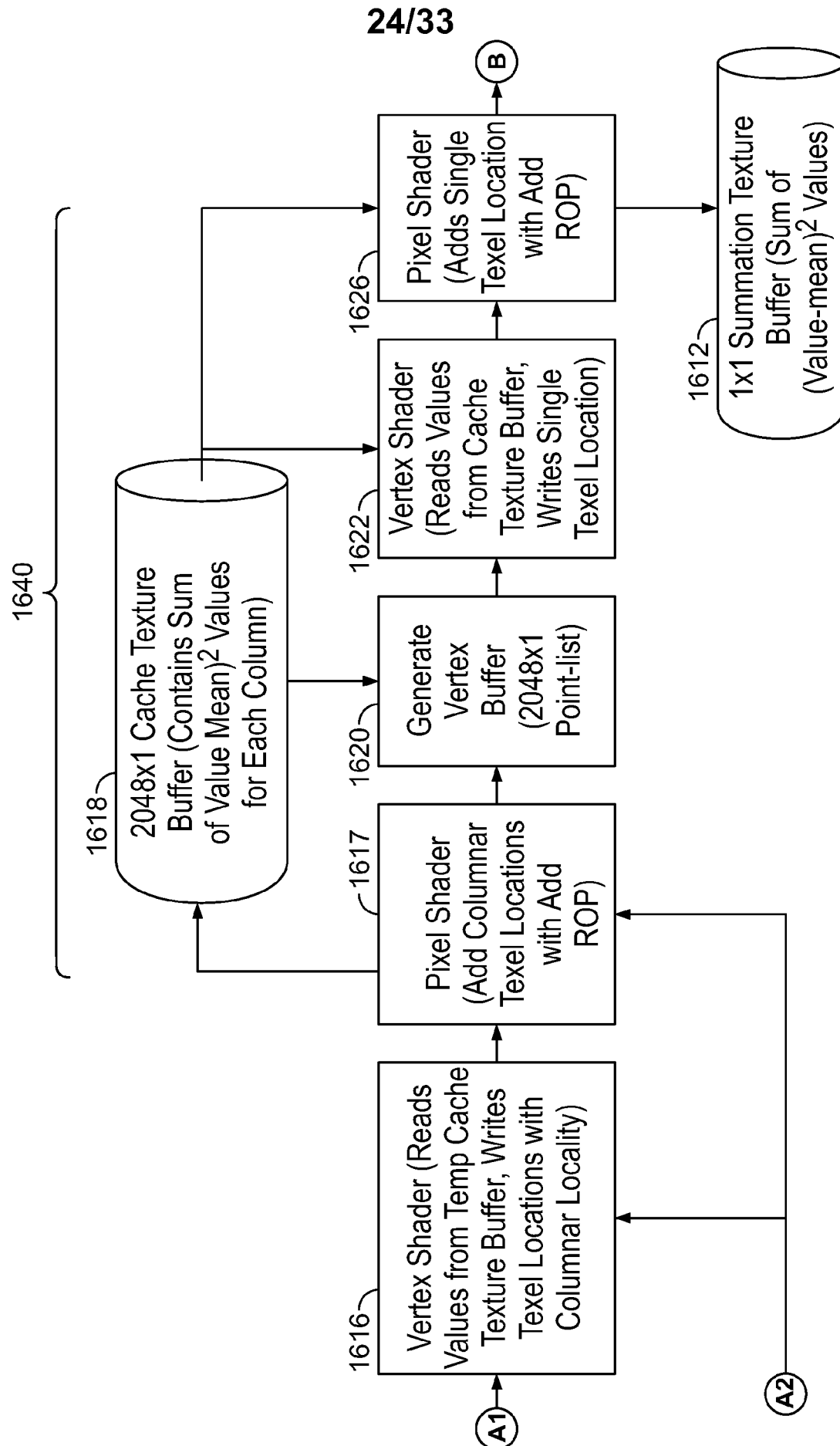


FIG. 16A



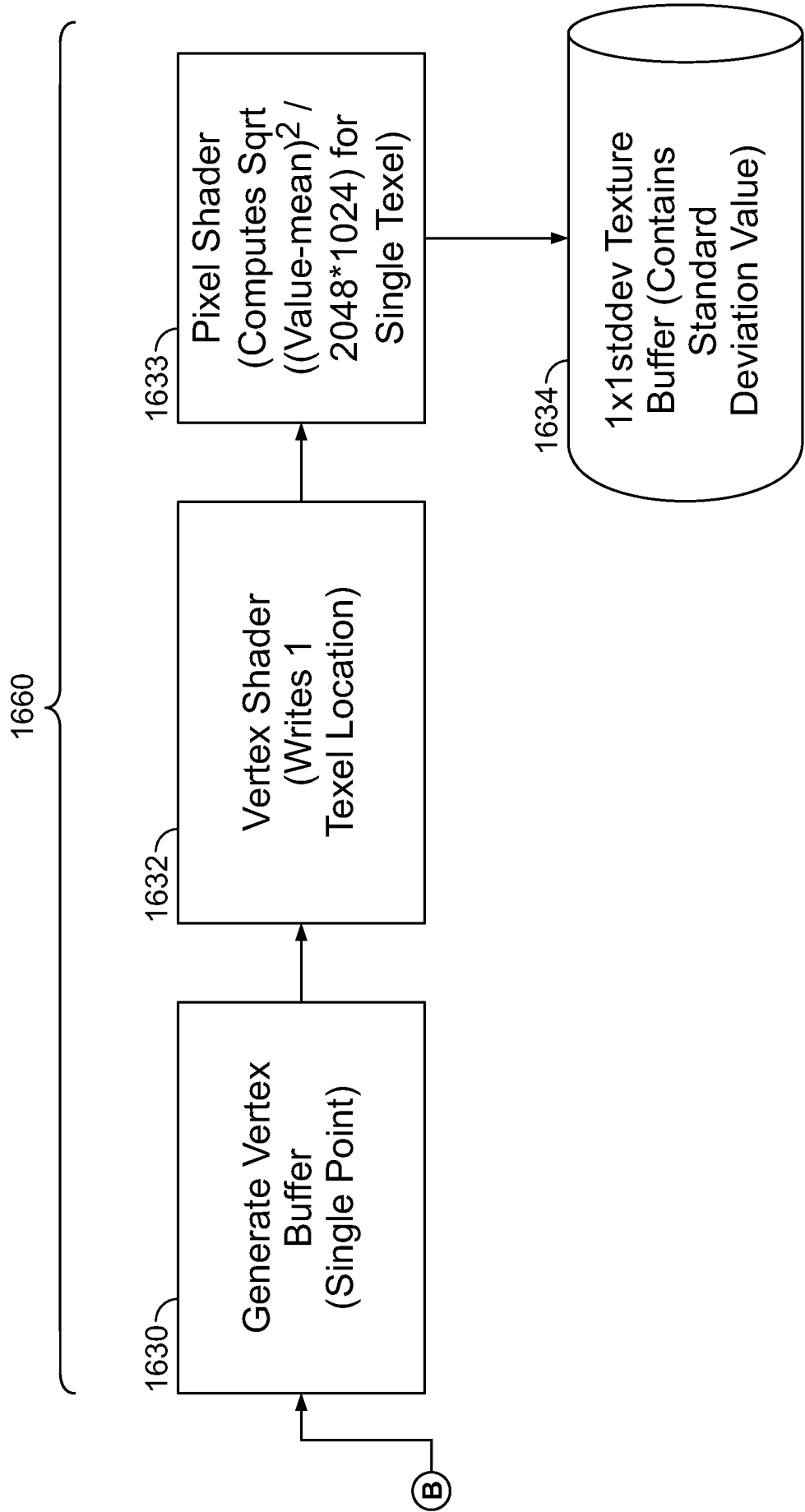


FIG. 16C

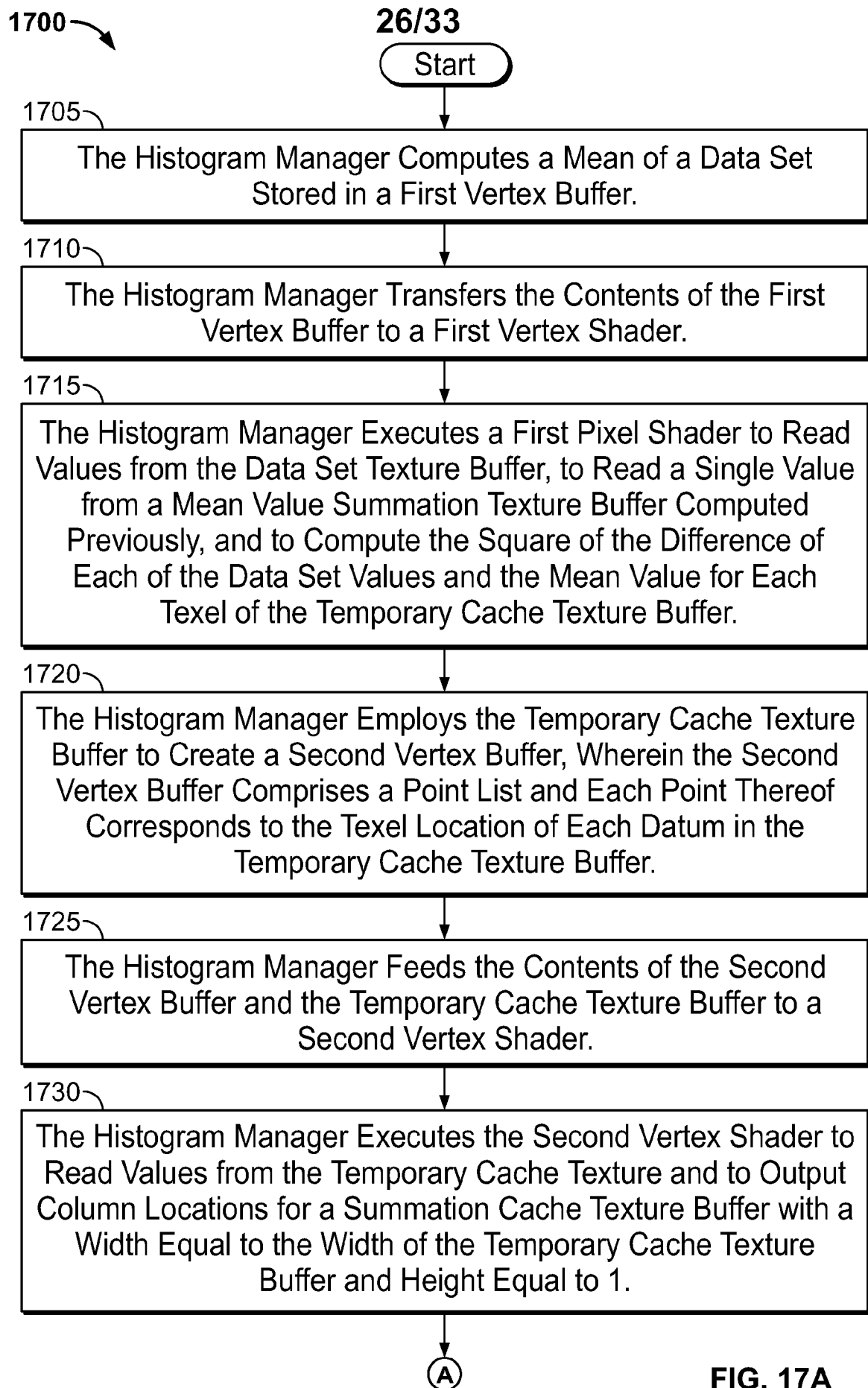


FIG. 17A

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1735

The Histogram Manager Executes a Second Pixel Shader to Read Values from the Data Set Texture Buffer and Adds These Values to the Column Texel Locations in the Summation Cache Texture Buffer via an Additive Raster Operation.

1740

The Histogram Manager Employs the Summation Cache Texture Buffer to Create a Third Vertex Buffer, Wherein the Third Vertex Buffer Comprises a Point List and Each Point Thereof Corresponds to the Texel Location of Each Datum in the Summation Cache Texture.

1745

The Histogram Manager Feeds the Contents of the Third Vertex Buffer to a Third Vertex Shader.

1750

The Histogram Manager Executes the Third Vertex Shader to Supply a Single Texel Location for a Final Summation Texture Buffer with a Height of 1 and Width of 1.

1755

The Histogram Manager Executes a Third Pixel Shader to Read Values from the Summation Cache Texture Buffer and to Add the Values Multiplied by $1/(\text{Data Set Size})$ in the Single Texel Location in a Summation Texture Buffer via an Additive Raster Operation.

1760

The Histogram Manager Employs the Contents of the Summation Texture Buffer to Create a Fourth Vertex Buffer, Wherein the Fourth Vertex Buffer Comprises a Point List with a Single Element Corresponding to the Single Texel Location in the Summation Texture Buffer.

(B)**FIG. 17B**

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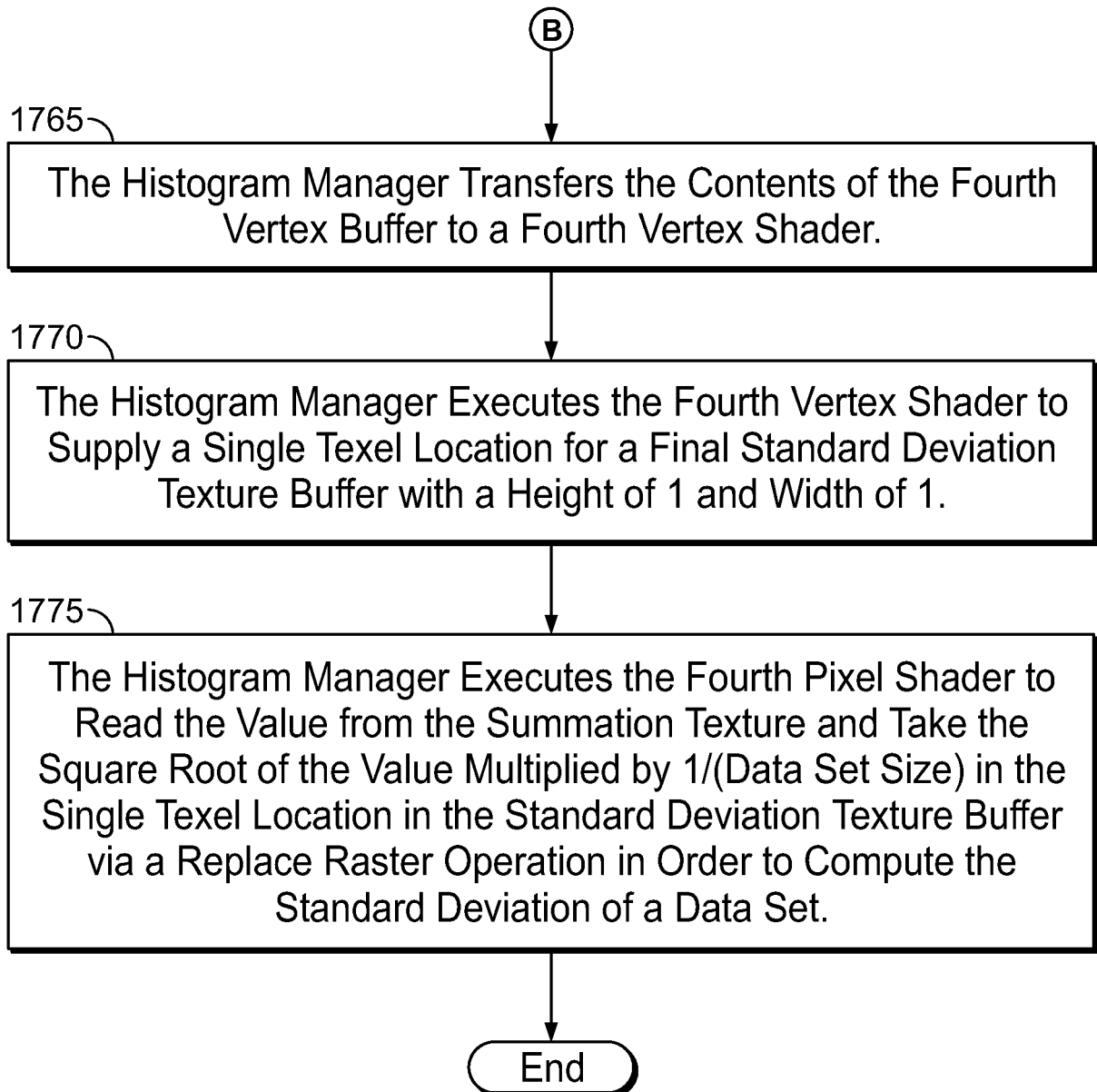


FIG. 17C

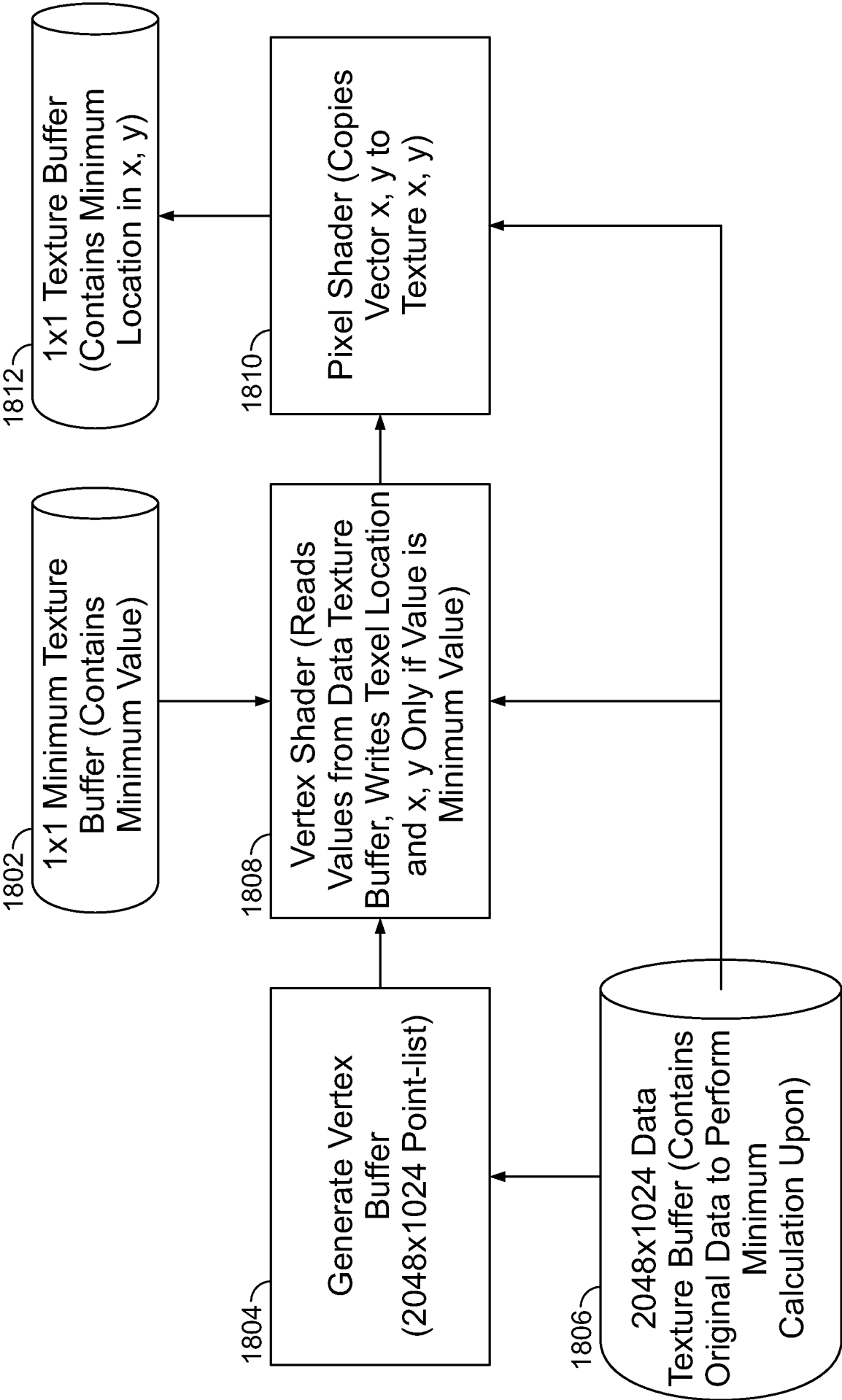


FIG. 18

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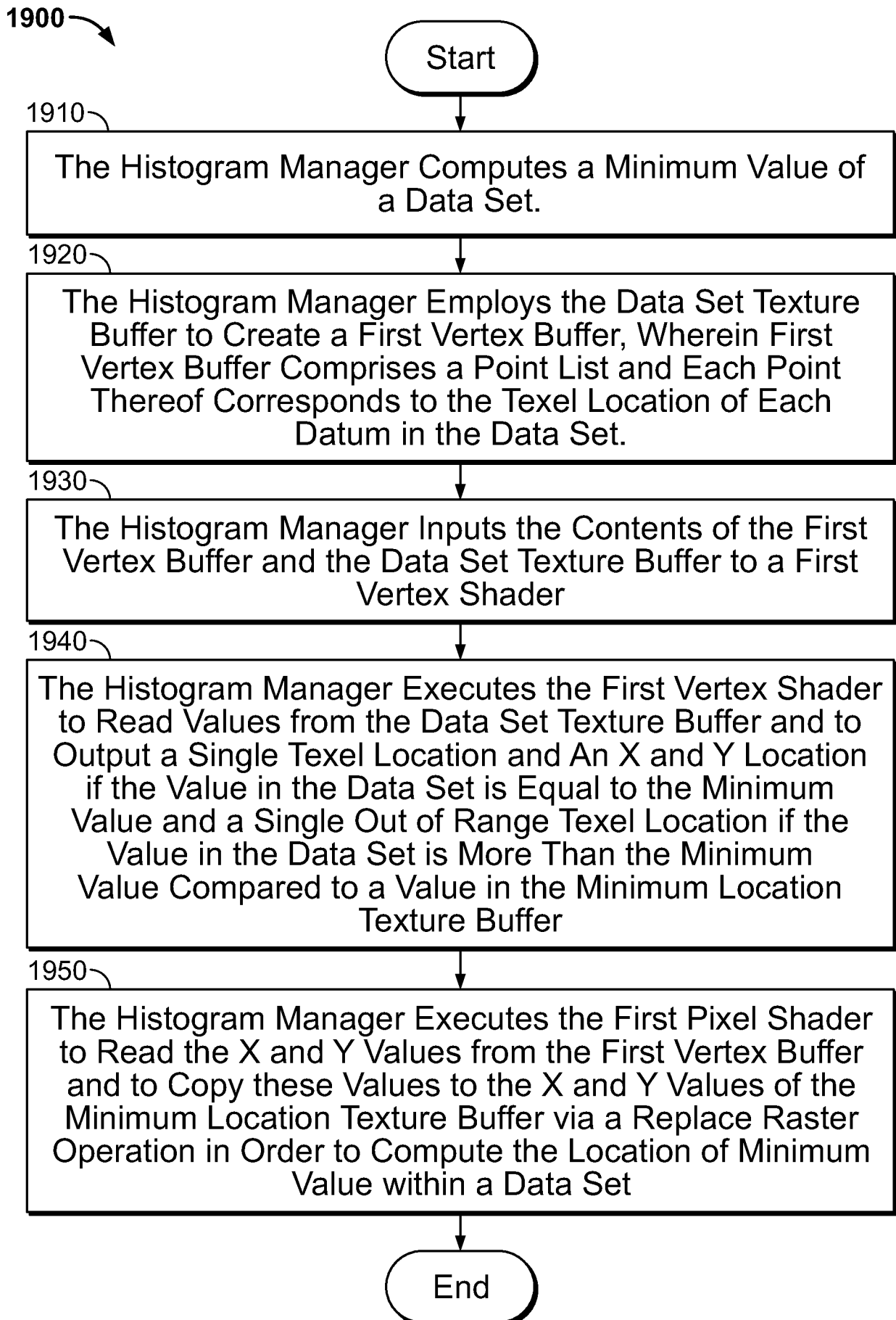


FIG. 19

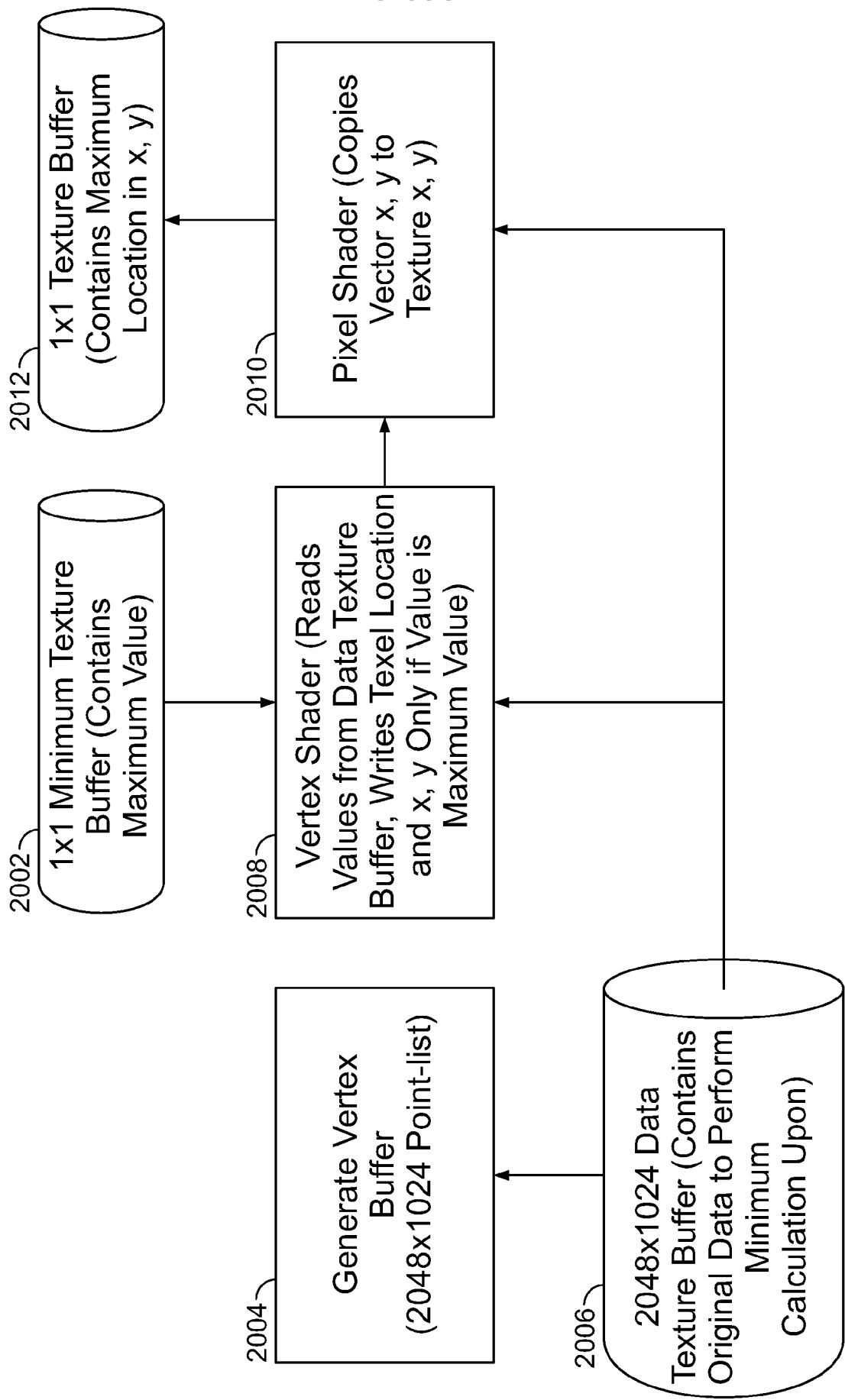
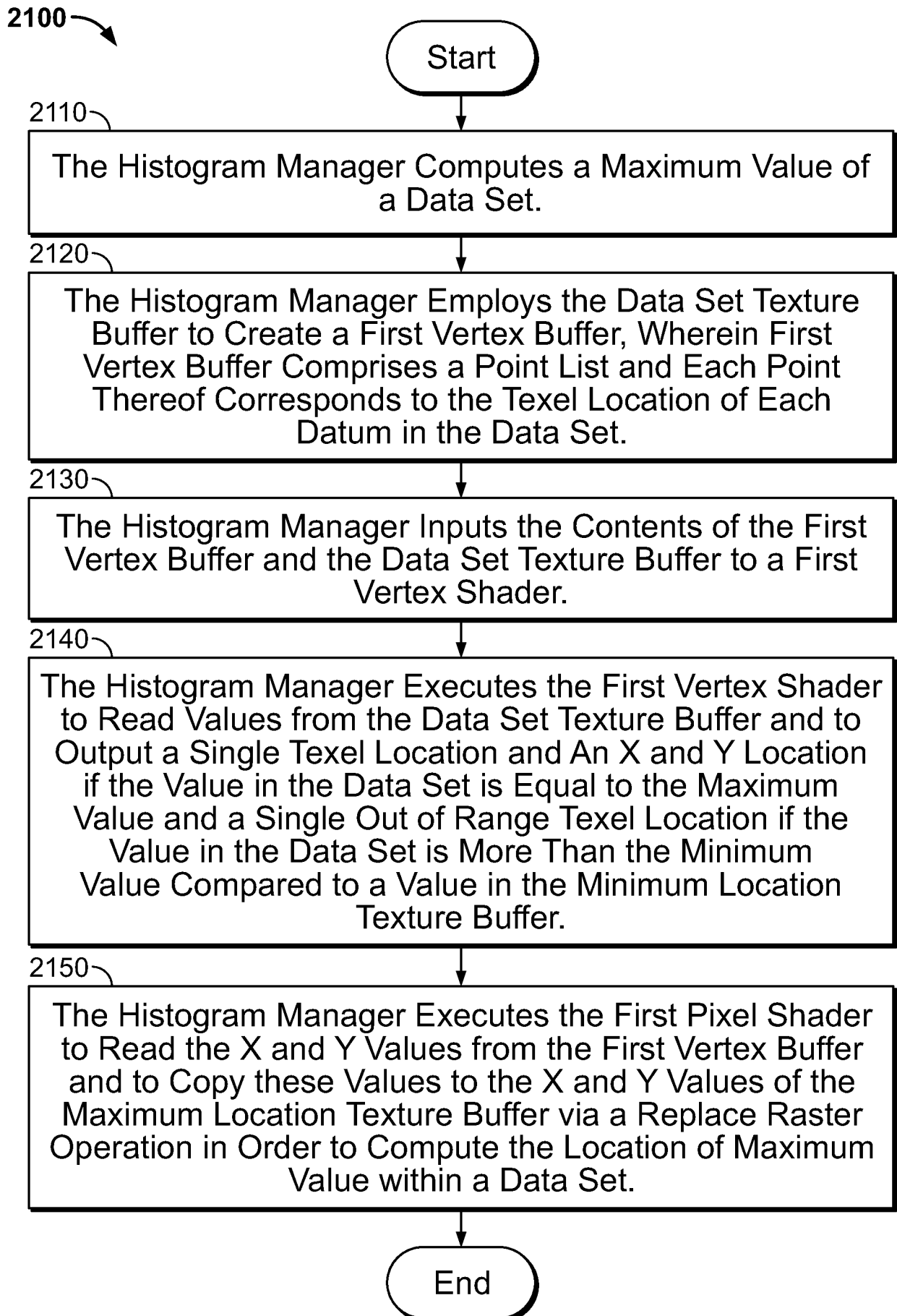


FIG. 20

32/33**FIG. 21**

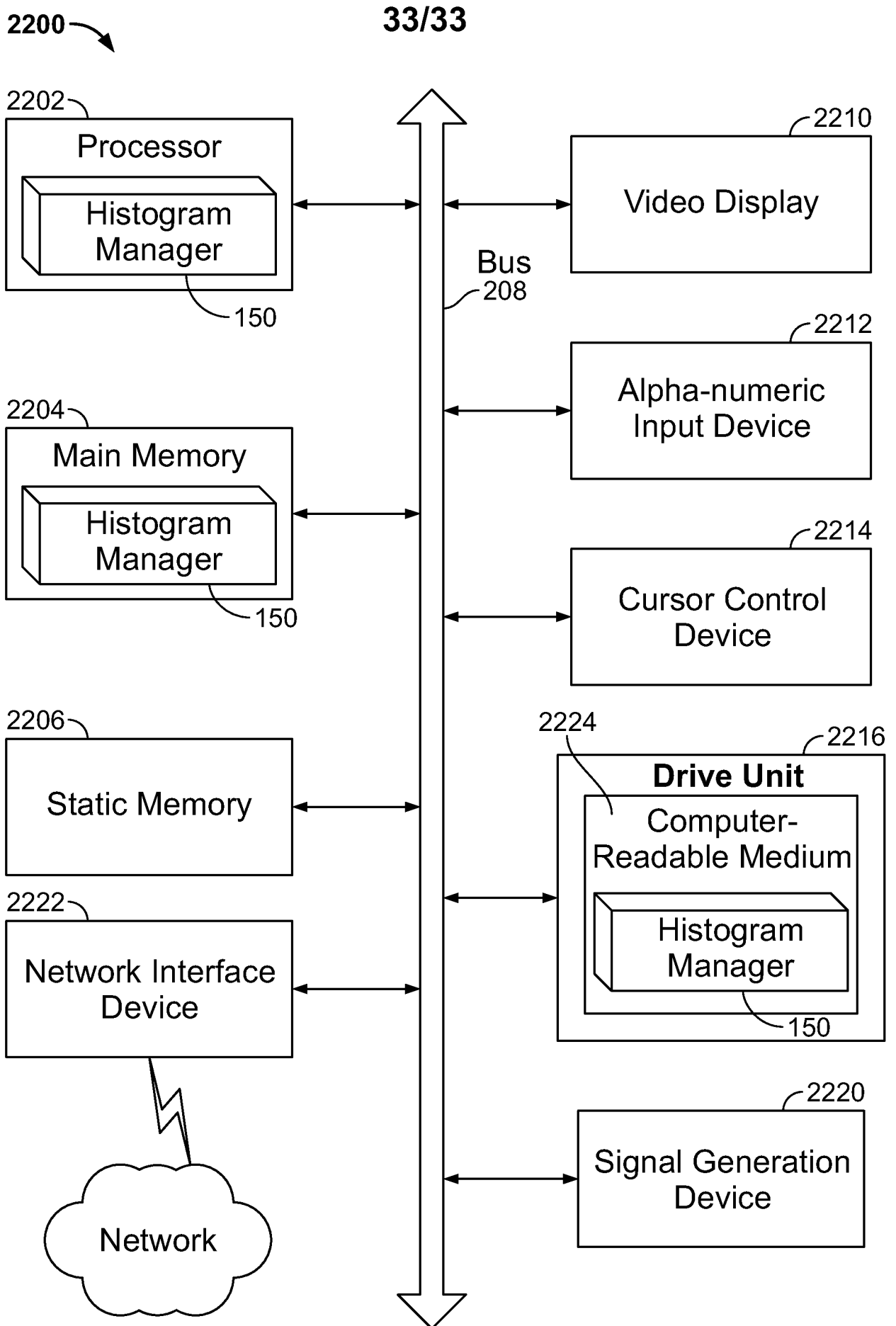


FIG. 22