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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

- (54) **Title:** DYNAMIC USER-DEVICE UPSCALING OF MEDIA STREAMS

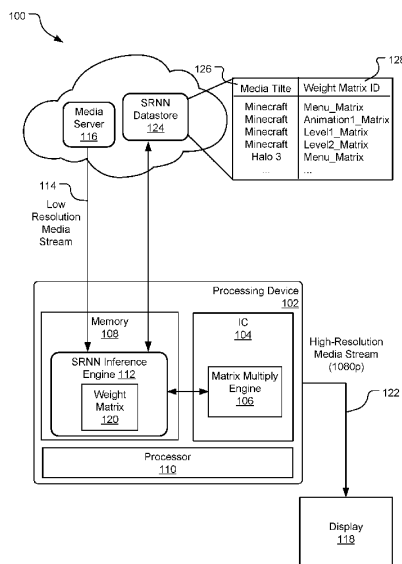


FIG. 1

(57) **Abstract:** A method disclosed herein provides for receiving, at a user device, a media stream including frames of a first resolution generated by a graphics-rendering application and utilizing one or more weight matrices pre-trained in association with the graphics-rendering application to locally upscale each received frame of the media stream at the user device to a second resolution greater than the first resolution. Local upscaling of the media stream may be performed "on the fly," such as with respect to individual content streams (e.g., a game) or segments of content streams (e.g., a scene within a game).

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