



US009106789B1

(12) **United States Patent**
Shipman, Jr. et al.

(10) **Patent No.:** **US 9,106,789 B1**
(45) **Date of Patent:** **Aug. 11, 2015**

(54) **VIDEOCONFERENCE AND VIDEO VISITATION SECURITY**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 611 days.

(21) Appl. No.: **13/355,211**

(22) Filed: **Jan. 20, 2012**

(51) **Int. Cl.**
H04N 7/14 (2006.01)
H04N 7/15 (2006.01)
H04N 21/44 (2011.01)

(52) **U.S. Cl.**
CPC **H04N 7/15** (2013.01); **H04N 7/147** (2013.01); **H04N 7/155** (2013.01); **H04N 21/44008** (2013.01)

(58) **Field of Classification Search**
CPC H04M 2201/40; H04M 3/4936; H04M 3/5191; H04N 5/272; H04N 7/14; H04N 7/141; H04N 7/142; H04N 7/144; H04N 7/147; H04N 7/148; H04N 7/15; H04N 7/152; H04N 7/155; H04N 7/157
USPC 348/14.03, 14.08, 14.1, 14.11, 14.01, 348/14.02, 14.04, 14.05, 14.06, 14.07, 348/14.09, 14.12, 14.13, 14.14, 15.15, 348/14.16; 379/265.03; 455/414.1, 566; 704/270

See application file for complete search history.

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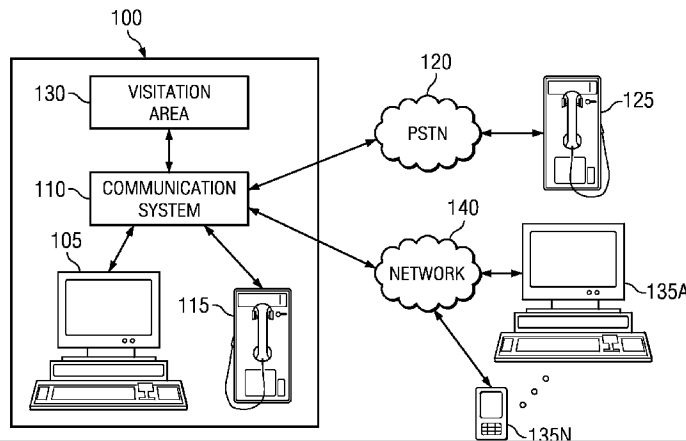
* cited by examiner

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(57) **ABSTRACT**

Systems and methods for providing video visitation security to a controlled-environment facility are disclosed. In some embodiments, a method may include detecting an image of a face in a video stream transmitted between a resident (e.g., an inmate) of a controlled-environment facility (e.g., a jail or prison) and a non-resident of the controlled environment facility during a video visitation session. For example, the first image may occupy a given area on a display upon rendering of the video stream. As such, the method may include defacing (e.g., blurring, clouding, darkening, distorting, masking, shading, etc.) other areas on the display outside of the given area. Moreover, in various implementations, a method may also include detecting additional faces, determining and/or validating any number of visitors (e.g., via facial recognition), identifying certain attempts to circumvent security procedures, as well as taking pre-established corrective measures.

28 Claims, 6 Drawing Sheets



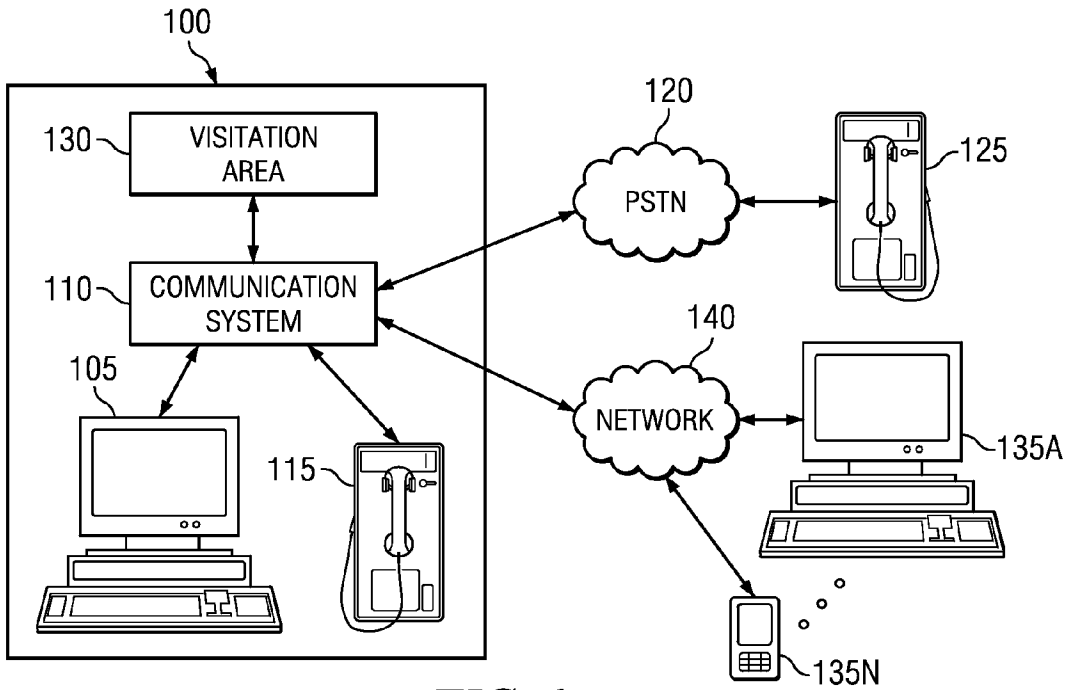


FIG. 1

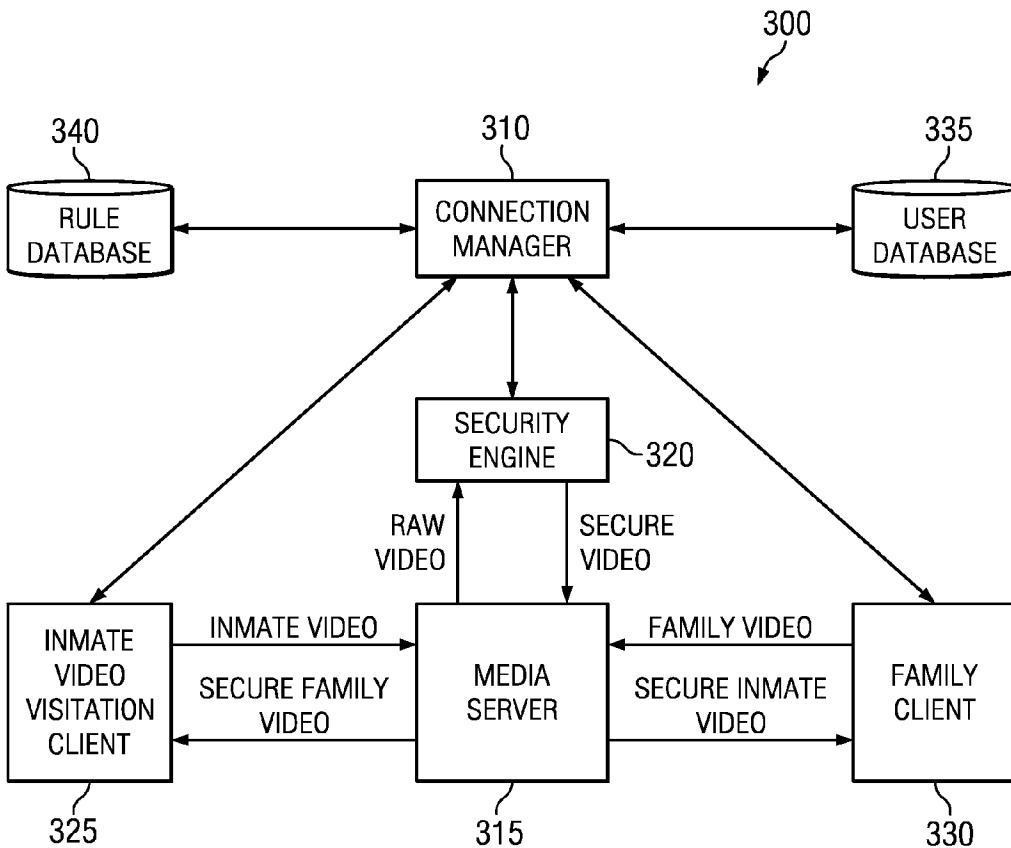


FIG. 3

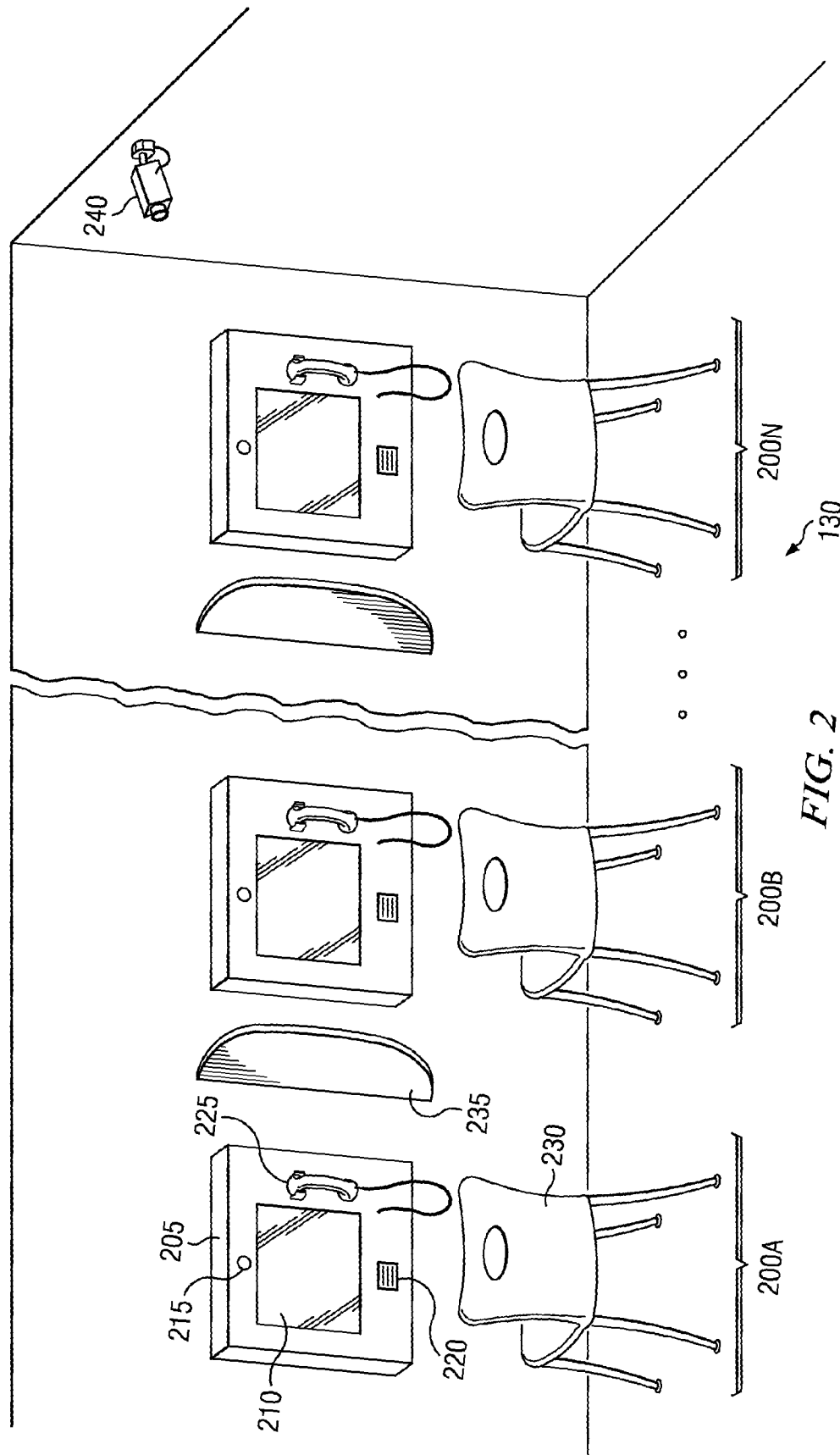
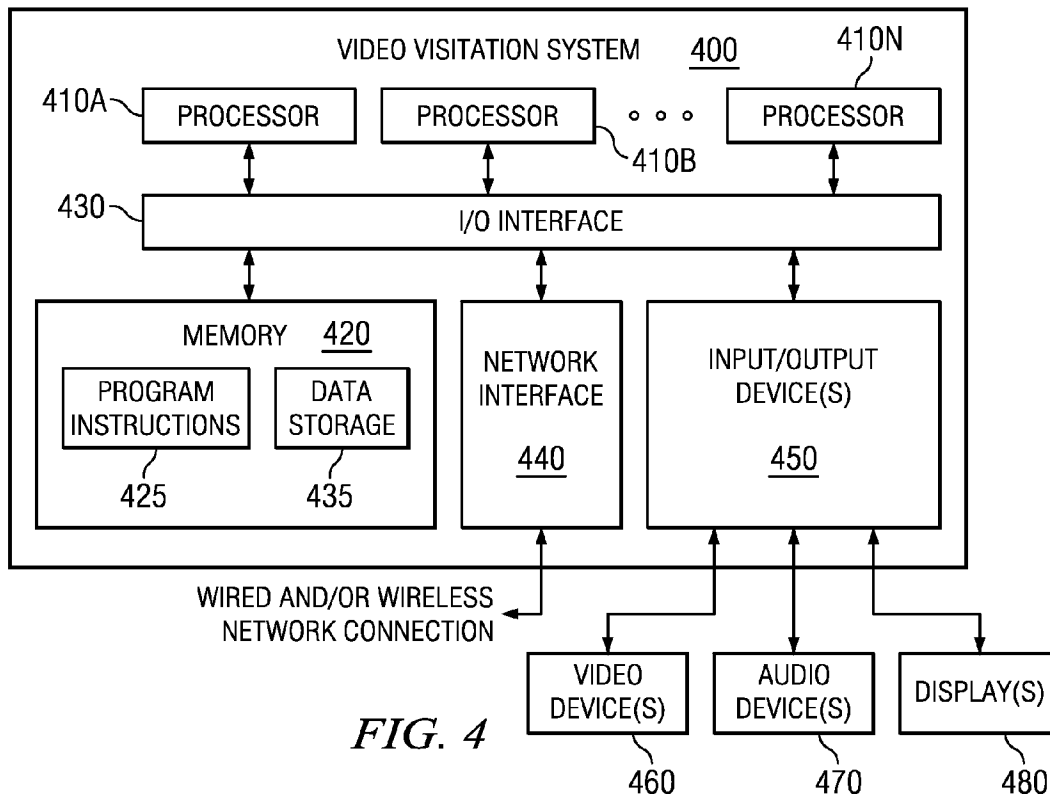


FIG. 2



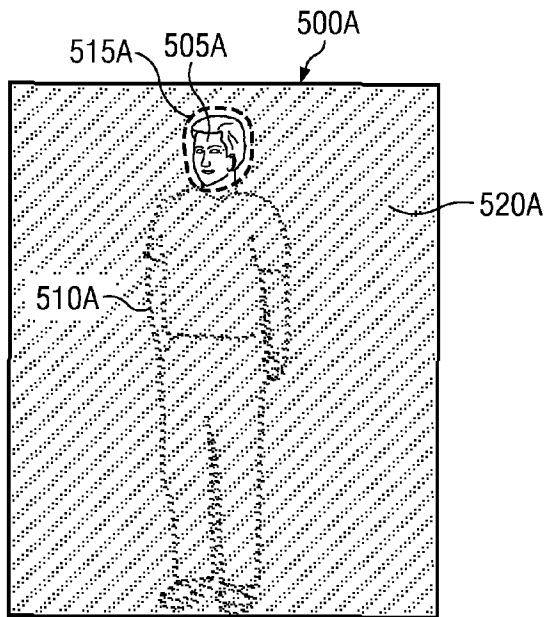


FIG. 5A

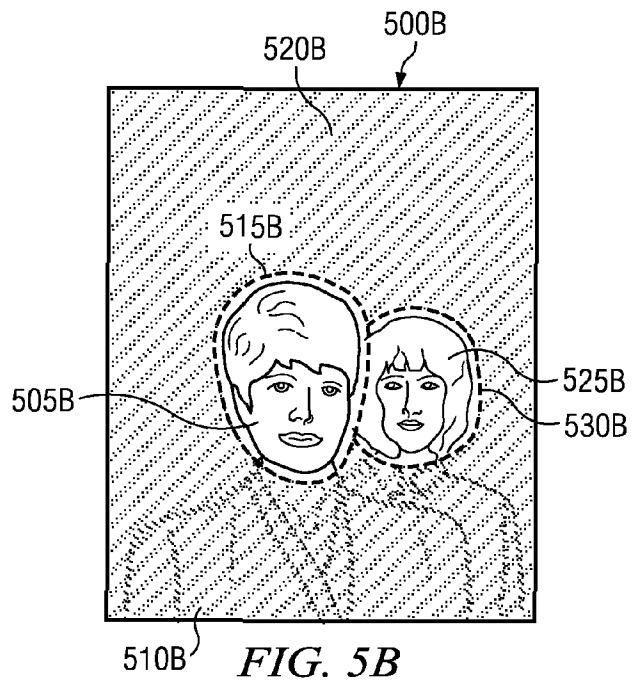


FIG. 5B

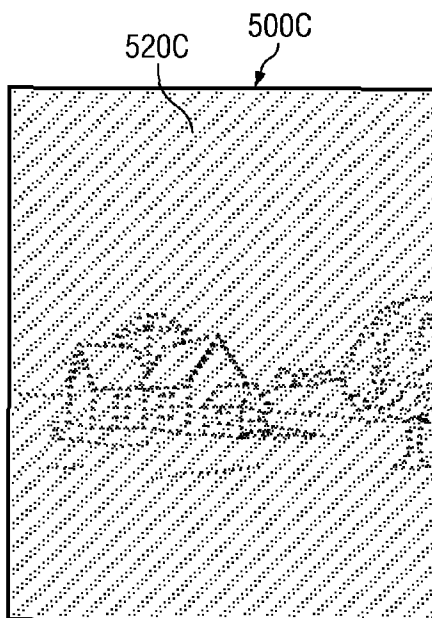


FIG. 5C

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