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(54) **CROWD ANALYTICS VIA ONE SHOT LEARNING**

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H04N 7/18	(2006.01)

(52) **U.S. Cl.**

CPC ***G06K 9/00335*** (2013.01); ***G06K 9/0061*** (2013.01); ***G06K 9/00315*** (2013.01); ***G06K 9/00342*** (2013.01); ***G06K 9/00758*** (2013.01); ***G06K 9/00771*** (2013.01); ***G06K 9/00778*** (2013.01); ***G06T 7/248*** (2017.01); ***H04N 7/183*** (2013.01); *G06T 2207/30201* (2013.01); *G06T 2207/30232* (2013.01)

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See application file for complete search history.

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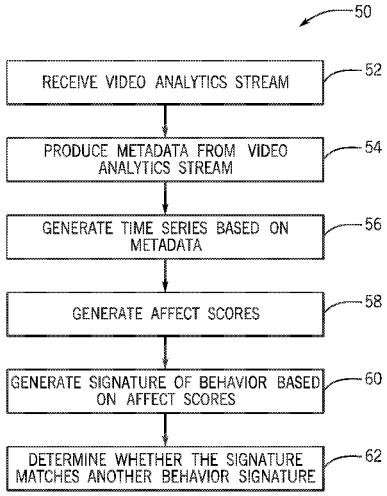
(57) **ABSTRACT**

Provided are techniques for assessing individual or crowd level behavior based on image data analysis. For example, in one embodiment, the techniques may include generating signatures representative of an observed behavior based on video data and performing pairwise matching by determining whether the first signature matches a second signature indicative of a query behavior.

20 Claims, 7 Drawing Sheets