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(54) **Title:** METHODS AND SYSTEMS FOR IMAGE FINGERPRINTING

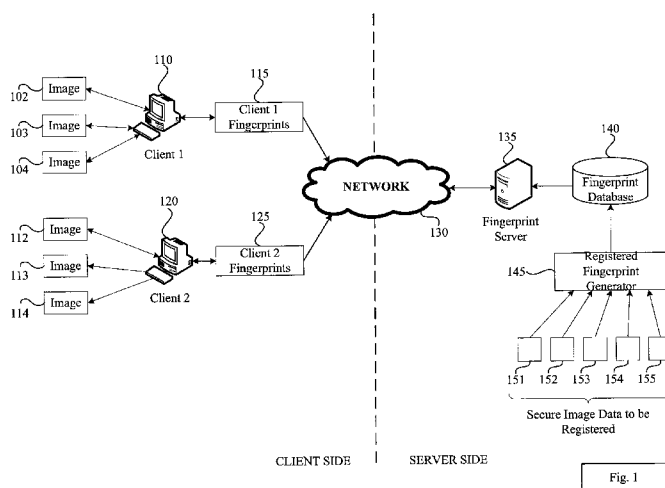


Fig. 1

(57) **Abstract:** The present invention provides methods and systems to protect an organization's secure image information from unauthorized disclosure. In one embodiment, methods and systems to generate image fingerprints are provided. The fingerprints are generated for each feature point of an image data. Because the fingerprints take into account the neighborhood features around each feature point, the image fingerprints are robust against derivate images where the original image may have been altered. Methods and systems to maintain a fingerprint database for an organization's secure image data is also provided. In one embodiment, client fingerprints are generated for image data that a user intends to transmit outside of the organization. In some embodiments, suitable security actions are initiated if any of the client fingerprints match any of the fingerprints in the fingerprint database.



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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

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eKOMPASS(KIPO internal) & Keywords: image, fingerprint, recognition, identification, feature, point, distance, angle

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0219495 A1 (HULTEN GEOFFREY J. et al.) 11 September 2008 See abstract; claims 1-10; figures 1-5.	1-51
A	JP 2007-299364 A (NIPPON TELEGR & TELEPH CORP <NTT>) 15 November 2007 See abstract; claims 1-9; figures 1-6.	1-51
A	JP 2004-265267 A (SHARP CORP) 24 September 2004 See abstract; claims 1-6; figures 1-5.	1-51
A	JP 10-177650 A (NEC CORP) 30 June 1998 See abstract; claims 1-20; figures 1-20.	1-51

 Further documents are listed in the continuation of Box C. See patent family annex.

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