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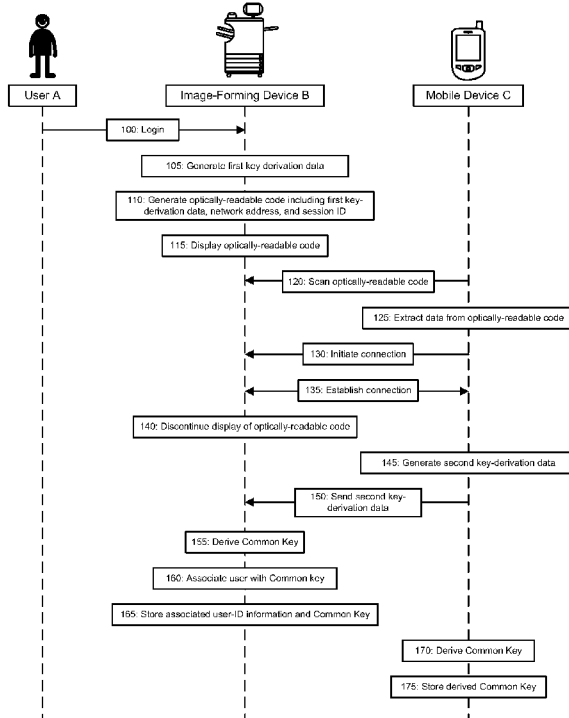
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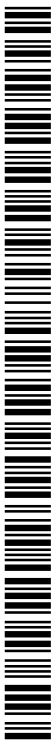
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(54) Title: METHOD FOR ASSOCIATING AN IMAGE-FORMING DEVICE, A MOBILE DEVICE, AND A USER

FIG. 1



(57) Abstract: Systems, methods, and devices for associating an image forming device and a mobile device receive, at a first device, a request to establish a connection with a second device; generating an optically-readable code that encodes a first set of data, wherein the first set of data includes first key-derivation data; display the optically-readable code of the first set of data; establish a communication channel with the second device; receiving a second set of data from the second device via the established communication channel, wherein the second set of data includes second key-derivation data, and wherein the second key-derivation data is generated in response to receiving the first key-derivation data at the second device; and determine the common key from the first key-derivation data and the second key-derivation data.



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LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE,
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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC: H04W 76/02 (2015.01) CPC: H04W 4/0008; H04W 76/02; G08C 2201/21; G08C 2201/50; H04N 21/4182 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched IPC: H04W 76/02 (2015.01) CPC: H04W 4/0008; H04W 76/02; G08C 2201/21; G08C 2201/50; H04N 21/4182; USPC: 709/221, 222 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Patbase, Google Patents, Google Scholar Search terms used: Device, phone, tablet, camera, printer, pda, computer, communicate, couple, connect, transmit, optical, qr, quick read, universal product, upc, barcode, code, encode, key, derive, extract, display, screen, LCD, secure, network, address, common, shared, link, secret, session		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2013/0031261 A1 (SUGGS) 31 January 2013 (31.01.2013), para [0012]-[0014], [0019], [0039]	1-15
Y	US 2010/0005294 A1 (KOSTIAINEN et al.) 07 January 2010 (07.01.2010), para [0010], [0047], [0054]-[0055]	1-15
Y	US 2013/0279698 A1 (BRADLEY) 24 October 2013 (24.10.2013), para [0096], [0127]	2, 9, 11-14
Y	US 2013/0145165 A1 (BROWN et al.) 06 June 2013 (06.06.2013), para [0073], [0077]	7, 14
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