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(54) Title: SYSTEM FOR AUTHENTICATING A USER AT AND REPORTING ABOUT USE OF A CHARGING DEVICE

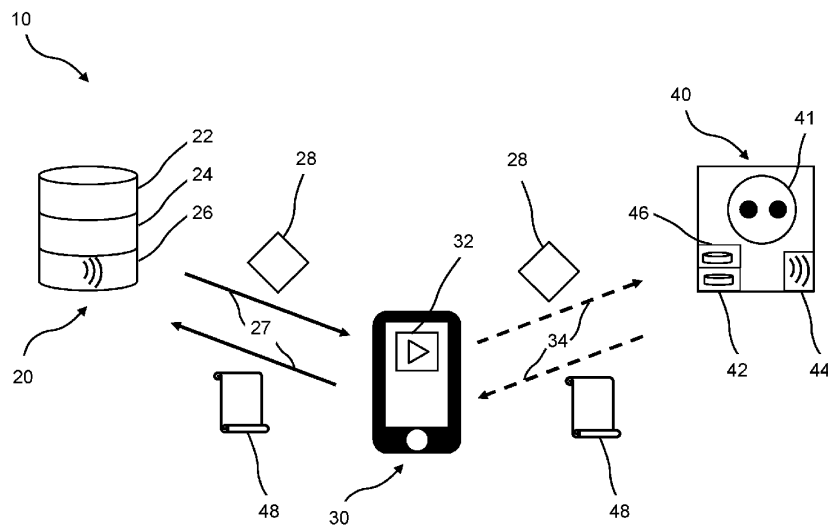


Fig. 1

(57) Abstract: The present invention relates to an authenticating and reporting system (10) for authenticating a user at and reporting about use of a charging device (40) comprising: - at least one database unit comprising: - at least one cryptography module (22) configured to sign and/or encrypt authentication elements (28) and to decrypt charging report elements (48), and - at least one transmitting and receiving module (26) configured to transmit encrypted authentication elements (28) and to receive encrypted charging report elements (48); - at least one charging device (40) comprising: - at least one wireless communication module (44), - at least one encrypting and decrypting unit (46), - at least one storage module (42), and - at least one control module, wherein the at least one charging device (40) is configured to decrypt the authentication elements (28), control a charging procedure of a connected chargeable device, provide encrypted charging report elements (48), and store a timestamp parameter of a transmitted encrypted charging report element (48) or a

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group of transmitted encrypted charging report elements (48); - and at least one mobile device (30) configured to transfer the authentication elements (28) from the database unit (20) to the charging device (40) and the charging report elements (28) from the charging device (40) to the database unit (20).