APPENDIX A: COMPARISON OF METHOD AND "DEVICE" CLAIMS

Method Claim	Device Claim
'838 patent, claim 1: A computer-implemented method comprising: performing, by a first device:	**'838 patent, claim 54:** A system comprising: a first device programmed to perform operations comprising:
joining a communication network corresponding to a group, wherein joining the communication network comprises transmitting a message including an identifier corresponding to the group;	joining a communication network corresponding to a group, wherein joining the communication network comprises transmitting a message including an identifier corresponding to the group;
participating in the group, wherein participating in the group includes sending first location information to a first server and receiving second location information from the first server, the first location information comprising a location of the first device, the second location information comprising one or more locations of one or more respective second devices included in the group;	participating in the group, wherein participating in the group includes sending first location information to a first server and receiving second location information from the first server, the first location information comprising a location of the first device, the second location information comprising one or more locations of one or more respective second devices included in the group;
presenting, via an interactive display of the first device, a first interactive, georeferenced map and a first set of one or more user-selectable symbols corresponding to a first set of one or more of the second devices, wherein the first set of symbols are positioned on the first georeferenced map at respective positions corresponding to the locations of the first set of second devices, and wherein first georeferenced map data relate positions on the first georeferenced map to spatial coordinates;	presenting, via an interactive display of the first device, a first interactive, georeferenced map and a first set of one or more user-selectable symbols corresponding to a first set of one or more of the second devices, wherein the first set of symbols are positioned on the first georeferenced map at respective positions corresponding to the locations of the first set of second devices, and wherein first georeferenced map data relate positions on the first georeferenced map to spatial coordinates;
sending, to a second server, a request for second georeferenced map data different from the first georeferenced map data; receiving, from the second server, the second georeferenced map data;	sending, to a second server, a request for second georeferenced map data different from the first georeferenced map data; receiving, from the second server, the second georeferenced map data;
presenting, via the interactive display of the first device, a second georeferenced map and a second set of one or more user-selectable	presenting, via the interactive display of the first device, a second georeferenced map and a second set of one or more user-selectable

symbols corresponding to a second set of one or more of the second devices, wherein the second set of symbols are positioned on the second georeferenced map at respective positions corresponding to the locations of the second set of second devices, and wherein the second georeferenced map data relate positions on the second georeferenced map to spatial coordinates; and	symbols corresponding to a second set of one or more of the second devices, wherein the second set of symbols are positioned on the second georeferenced map at respective positions corresponding to the locations of the second set of second devices, and wherein the second georeferenced map data relate positions on the second georeferenced map to spatial coordinates; and
identifying user interaction with the interactive display selecting one or more of the second set of user-selectable symbols corresponding to one or more of the second devices and positioned on the second georeferenced map and user interaction with the display specifying an action and, based thereon, sending third data to the selected one or more second devices via the first server.	identifying user interaction with the interactive display selecting one or more of the second set of user-selectable symbols corresponding to one or more of the second devices and positioned on the second georeferenced map and user interaction with the display specifying an action and, based thereon, sending third data to the selected one or more second devices via the first server.
'829 patent, claim 35: A computer-implemented method comprising: performing, by a second device:	**'829 patent, claim 68:** A system comprising: a second device programmed to perform operations comprising:
receiving, from a first device via a first server, a request to join a group, wherein the group includes the first device;	receiving, from a first device via a first server, a request to join a group, wherein the group includes the first device;
sending, to the first server, an indication of acceptance of the request, wherein the first server is configured to join the first device to the group based on the acceptance of the request, and wherein joining the first device to the group comprises authorizing the first device to repeatedly share device location information and repeatedly engage in remote control operations with each device included in the group;	sending, to the first server, an indication of acceptance of the request, wherein the first server is configured to join the first device to the group based on the acceptance of the request, and wherein joining the first device to the group comprises authorizing the first device to repeatedly share device location information and repeatedly engage in remote control operations with each device included in the group;
sending a first message to the first server, wherein the first message comprises data identifying the first device and a request for a first updated location of the first device, and wherein the first server is configured to send a	sending a first message to the first server, wherein the first message comprises data identifying the first device and a request for a first updated location of the first device, and wherein the first server is configured to send a

second message to the first device based on and in response to receiving the first message from the second device, wherein the second message comprises a request for the first updated location of the first device;	second message to the first device based on and in response to receiving the first message from the second device, wherein the second message comprises a request for the first updated location of the first device;
after sending the first message, receiving, from the first server, a response to the first message, the response including first location information comprising the first updated location of the first device;	after sending the first message, receiving, from the first server, a response to the first message, the response including first location information comprising the first updated location of the first device;
receiving, from a second server, georeferenced map data; presenting, via a display of the second device, a georeferenced map based on the georeferenced map data and a symbol corresponding to the first device, wherein the symbol is positioned on the georeferenced map at a first position corresponding to the first updated location of the first device, and wherein the georeferenced map data relate positions on the georeferenced map to spatial coordinates;	receiving, from a second server, georeferenced map data; presenting, via a display of the second device, a georeferenced map based on the georeferenced map data and a symbol corresponding to the first device, wherein the symbol is positioned on the georeferenced map at a first position corresponding to the first updated location of the first device, and wherein the georeferenced map data relate positions on the georeferenced map to spatial coordinates;
after receiving the first location information and the georeferenced map data, receiving second location information comprising a second updated location of the first device from the first server, and using the server-provided georeferenced map data and the second location information to reposition the symbol on the georeferenced map at a second position corresponding to the second updated location of the first device; and	after receiving the first location information and the georeferenced map data, <u>and after presenting the georeferenced map and the symbol positioned on the georeferenced map at the first position corresponding to the first updated location of the first device</u>, receiving second location information comprising a second updated location of the first device from the first server, and using the server-provided georeferenced map data and the second location information to reposition the symbol on the georeferenced map at a second position corresponding to the second updated location of the first device; and
identifying user interaction with the display specifying an action and, based thereon, sending, to the first server, a third message related to remotely controlling the first device to perform an action,	identifying user interaction with the display specifying an action and, based thereon, sending, to the first server, a third message related to remotely controlling the first device to perform an action,

wherein the first server is configured to send a fourth message to the first device based on receiving the third message from the second device, wherein the fourth message relates to remotely controlling the first device to perform the action, and wherein the first device is configured to perform the action based on receiving the fourth message.	wherein the first server is configured to send a fourth message to the first device based on receiving the third message from the second device, wherein the fourth message relates to remotely controlling the first device to perform the action, and wherein the first device is configured to perform the action based on receiving the fourth message.
'251 patent, claim 1: A computer-implemented method comprising: with a first device, receiving a message from a second device, wherein the message relates to joining a group; based on receiving the message from the second device, participating in the group, wherein participating in the group includes sending first location information to a server and receiving second location information from the server, the first location information comprising a location of the first device, the second location information comprising a plurality of locations of a respective plurality of second devices included in the group; presenting, via an interactive display of the first device, a first interactive, georeferenced map and a plurality of user-selectable symbols corresponding to the plurality of second devices, wherein the symbols are positioned on the first georeferenced map at respective positions corresponding to the locations of the second devices, and wherein the first georeferenced map includes data relating positions on the first georeferenced map to spatial coordinates;	**'251 patent, claim 24:** A system comprising: a first device programmed to perform operations comprising: receiving a message from a second device, wherein the message relates to joining a group; based on receiving the message from the second device, participating in the group, wherein participating in the group includes sending first location information to a server and receiving second location information from the server, the first location information comprising a location of the first device, the second location information comprising a plurality of locations of a respective plurality of second devices included in the group; presenting, via an interactive display of the first device, a first interactive, georeferenced map and a plurality of user-selectable symbols corresponding to the plurality of second devices, wherein the symbols are positioned on the first georeferenced map at respective positions corresponding to the locations of the second devices, and wherein the first georeferenced map includes data relating positions on the first georeferenced map to spatial coordinates;

sending, from the first device to the server, a request for a second georeferenced map different from the first georeferenced map, wherein the request specifies a map location; receiving, from the server, the second georeferenced map, wherein the second georeferenced map includes the requested location and data relating positions on the second georeferenced map to spatial coordinates; presenting, via the interactive display of the first device, the second georeferenced map and the plurality of user-selectable symbols corresponding to the plurality of second devices, wherein the symbols are positioned on the second georeferenced map at respective positions corresponding to the locations of the second devices; and identifying user interaction with the interactive display selecting one or more of the user-selectable symbols corresponding to one or more of the second devices and positioned on the second georeferenced map and user interaction with the display specifying an action and, based thereon, using an Internet Protocol to send data to the one or more second devices via the server, wherein the first device does not have access to respective Internet Protocol addresses of the second devices.	sending, from the first device to the server, a request for a second georeferenced map different from the first georeferenced map, wherein the request specifies a map location; receiving, from the server, the second georeferenced map, wherein the second georeferenced map includes the requested location and data relating positions on the second georeferenced map to spatial coordinates; presenting, via the interactive display of the first device, the second georeferenced map and the plurality of user-selectable symbols corresponding to the plurality of second devices, wherein the symbols are positioned on the second georeferenced map at respective positions corresponding to the locations of the second devices; and identifying user interaction with the interactive display selecting one or more of the user-selectable symbols corresponding to one or more of the second devices and positioned on the second georeferenced map and user interaction with the display specifying an action and, based thereon, using an Internet Protocol to send data to the one or more second devices via the server, wherein the first device does not have access to respective Internet Protocol addresses of the second devices.
'055 patent, claim 1: A method comprising: performing by a first device: obtaining contact information of a plurality of second devices, wherein the contact information comprises respective telephone numbers of the second devices; facilitating initiation of Internet Protocol (IP) based communication between the first device	**'055 patent, claim 28:** A system comprising: a first device programmed to perform operations comprising: obtaining contact information of a plurality of second devices, wherein the contact information comprises respective telephone numbers of the second devices; facilitating initiation of Internet Protocol (IP) based communication between the first device

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