

Exhibit 17

Exemplary Infringement Claim Chart for U.S. Patent No. 8,943,562

Claim 1	Infringement by WaveLynx
1[pre] A communication method, comprising:	The WaveLynx Ethos Readers use a method of communication. For example, the WaveLynx Ethos Readers include OSDP Autodetect. OSDP™ Autodetect® We are excited to announce a breakthrough in wall mount reader design. We offer a unique patented feature known as OSDP™ Autodetect®. We have invented a way to significantly simplify the transition from Wiegand to OSDP™. We have designed an auto-detection feature into our readers, further enriching the concept of not having to touch the reader again once it is installed. WaveLynx believes that all Physical Access Control Systems (PACS) will be communicating via OSDP™ eventually, so we have designed an OSDP™ auto detect feature, facilitating the automatic conversion from Wiegand protocol to OSDP™ using the existing wiring when the access control panel hardware is communicating in OSDP. Ex. 10 (Access Control Innovation) at 2. The WaveLynx Ethos Readers receive OSDP messages. Installation tips: • By default, the reader will transmit credential and keypad data in Wiegand communication mode. • The reader always be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically switch to OSDP-only communication mode. • When connecting the reader to an OSDP panel connect the Green wire to RS485A(TR+), and the White wire to RS485B (TR-). • To return to OSDP auto-detect mode (default mode), tilt the reader 45 degrees to simulate tamper and cycle power in this state. The power up sequence should indicate OSDP auto-detect with 4 beeps. • In OSDP the readers default baud rate is 9600 and starts up at Address 0. Baud rate and Address can be reset by performing the same tamper startup mentioned above. • Once the reader's default OSDP Key has been changed, only the panel can relink to a new OSDP Key.

Ex. 15 (WaveLynx Single Gang Installation Guide) at 2; *see also* Ex. 16 (WaveLynx Mullion Installation Guide) at 2.

OSDP is a packet-based form of communications that allows for bi-directional communication between the reader and the access control system.

OSDP™ Remote Reader Firmware Upgrades

The Ethos reader line is designed using the Security Industry Association's (SIA) recently released OSDP™ standard, V2.1.7 enabling secure channel and upgrade capabilities remotely from the access control host system. The Ethos reader line is the first access control reader on the market that is designed, tested, and validated by multiple third party's test facilities as remotely upgradable over a secure channel.



They are proven to deliver the following functionality:

- Bi-directional communication between reader and system over a secure channel
- Firmware updates from host to the reader over Secure Channel
- Reader configuration changes pushed from the host to reader over Secure Channel

For more information contact Catherine Carducci (ccarducci@wavelynxtech.com) at WaveLynx Technologies.

Ex. 10 (Access Control Innovation) at 1-2.

1[a] operating a credential reader in a first mode of operation, the credential reader comprising at least one of a microprocessor and firmware that enable the credential reader to operate in the first mode of operation;

The WaveLynx Ethos Readers operate a credential reader in a first mode of operation, the credential reader comprising at least one of a microprocessor and firmware that enable the credential reader to operate in the first mode of operation.

For example, the WaveLynx Ethos readers includes firmware that runs on a microprocessor:

KEY FEATURES

- Multiple technologies in a single reader: Proximity, Smart, NFC & BLE
- OSDP Autodetect
- OSDP Secure Channel and remote firmware upgradability
- MIFARE DESFire® EV1 & EV2 support
- Ethos Wiegand/OSDP readers work with MyPass Mobile Credentials
- LEAF credential support for secure, open, interoperability
- FSK and ASK legacy proximity credentials support for seamless transitions
- Accelerometer-based tamper detection
- Tri-state LED light bar (red, green, amber) and audible beeper
- Accommodates indoor, outdoor installation environments

Ex. 4 (WaveLynx Ethos Datasheet) at 1.

The WaveLynx Ethos Readers also include at least one microprocessor: Microchip ATSAMD20J18 ARM Cortex M0.

The WaveLynx Ethos Readers include OSDP Autodetect, which automatically detects between the Wiegand and OSDP protocols.

OSDP™ Autodetect®[®]

We are excited to announce a breakthrough in wall mount reader design. We offer a unique patented feature known as OSDP™ Autodetect®. We have invented a way to significantly simplify the transition from Wiegand to OSDP™. We have designed an auto-detection feature into our readers, further enriching the concept of not having to touch the reader again once it is installed. WaveLynx believes that all Physical Access Control Systems (PACS) will be communicating via OSDP™ eventually, so we have designed an OSDP™ auto detect feature, facilitating the automatic conversion from Wiegand protocol to OSDP™ using the existing wiring when the access control panel hardware is communicating in OSDP.

Ex. 10 (Access Control Innovation) at 2.

The WaveLynx Ethos Readers default to Wiegand communication.

Installation tips:

- By default, the reader will transmit credential and keypad data in Wiegand communication mode.
- The reader always be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically switch to OSDP-only communication mode.
- When connecting the reader to an OSDP panel connect the Green wire to RS485A(TR+), and the White wire to RS485B (TR-).
- To return to OSDP auto-detect mode (default mode), tilt the reader 45 degrees to simulate tamper and cycle power in this state. The power up sequence should indicate OSDP auto-detect with 4 beeps.
- In OSDP the readers default baud rate is 9600 and starts up at Address 0. Baud rate and Address can be reset by performing the same tamper startup mentioned above.
- Once the reader's default OSDP Key has been changed, only the panel can relink to a new OSDP Key.

Ex. 15 (WaveLynx Single Gang Installation Guide) at 2; *see also* Ex. 16 (WaveLynx Mullion Installation Guide) at 2.

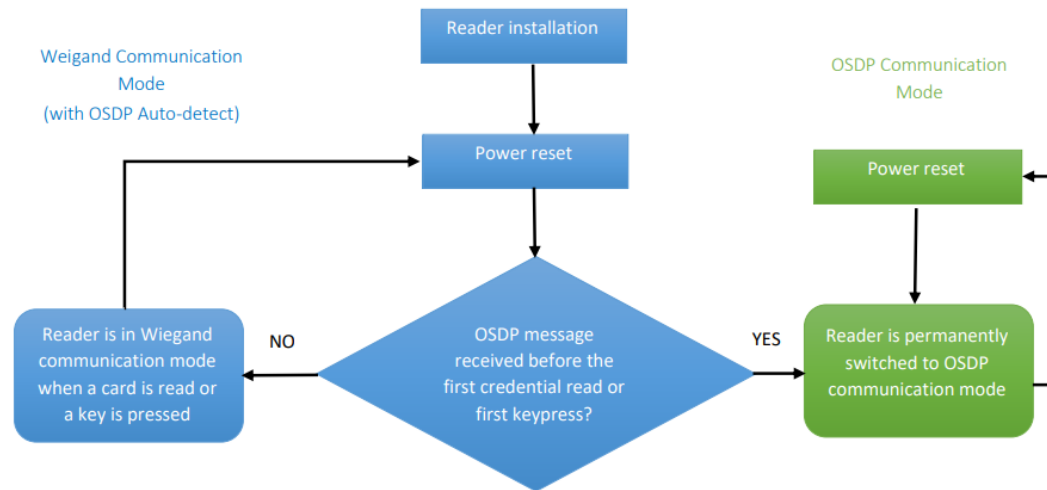
What is the purpose of the 'OSDP® auto-detect' feature?

All you need is one reader: for OSDP panels, Wiegand panels, and for a seamless transition from a Wiegand panel to an OSDP panel.

Simply connect the green and white wires for either communication protocol: The reader communicates with any Wiegand panel out-of-the-box, and automatically upgrades to OSDP when it receives an OSDP message, without having to physically reconfigure, rewire or even touch the reader. For enhanced security, once the reader transitions to OSDP communication mode, it will no longer revert back to Wiegand communication mode.

How does the reader detect OSDP?

By default (out-of-the-box) the reader will transmit credential and keypad data in Wiegand communication mode. Upon each power up, and before the reader reads a credential or a key is pressed, the reader will be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically, and permanently switch to OSDP communication mode. This diagram describes how this feature works:



Ex. 9 (OSDP Auto-Detect & Reader Reset Sequence) at 2.

1[b] receiving, at a communication interface of the credential reader, a message from an upstream device;

The WaveLynx Ethos Readers receive, at a communication interface of the credential reader, a message from an upstream device.

For example, the WaveLynx Ethos Readers are connected to an OSDP panel via Green wire and White wire. The WaveLynx Ethos Readers also listen for an incoming OSDP message sent by an upstream device.

Installation tips:

- By default, the reader will transmit credential and keypad data in Wiegand communication mode.
- The reader always be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically switch to OSDP-only communication mode.
- When connecting the reader to an OSDP panel connect the Green wire to RS485A(TR+), and the White wire to RS485B (TR-).
- To return to OSDP auto-detect mode (default mode), tilt the reader 45 degrees to simulate tamper and cycle power in this state. The power up sequence should indicate OSDP auto-detect with 4 beeps.
- In OSDP the readers default baud rate is 9600 and starts up at Address 0. Baud rate and Address can be reset by performing the same tamper startup mentioned above.
- Once the reader's default OSDP Key has been changed, only the panel can relink to a new OSDP Key.

Ex. 15 (WaveLynx Single Gang Installation Guide) at 2; *see also* Ex. 16 (WaveLynx Mullion Installation Guide) at 2.

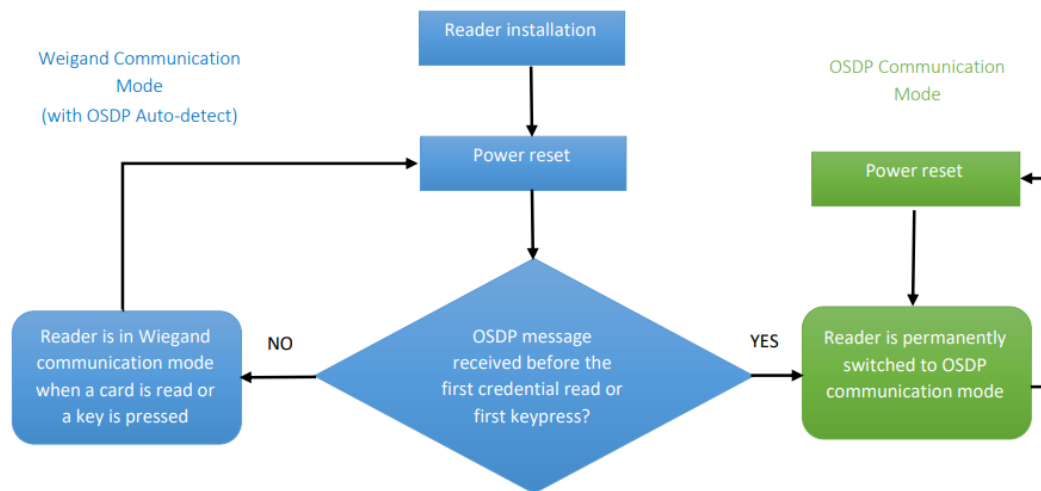
What is the purpose of the 'OSDP® auto-detect' feature?

All you need is one reader: for OSDP panels, Wiegand panels, and for a seamless transition from a Wiegand panel to an OSDP panel.

Simply connect the green and white wires for either communication protocol: The reader communicates with any Wiegand panel out-of-the-box, and automatically upgrades to OSDP when it receives an OSDP message, without having to physically reconfigure, rewire or even touch the reader. For enhanced security, once the reader transitions to OSDP communication mode, it will no longer revert back to Wiegand communication mode.

How does the reader detect OSDP?

By default (out-of-the-box) the reader will transmit credential and keypad data in Wiegand communication mode. Upon each power up, and before the reader reads a credential or a key is pressed, the reader will be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically, and permanently switch to OSDP communication mode. This diagram describes how this feature works:



Ex. 9 (OSDP Auto-Detect & Reader Reset Sequence) at 2.

1[c] determining, by the credential reader, that the message was transmitted by the upstream device; and

The WaveLynx Ethos Readers determine that the message was transmitted by the upstream device.

For example, the WaveLynx Ethos Readers listens for an incoming OSDP message from an upstream device.

Installation tips:

- By default, the reader will transmit credential and keypad data in Wiegand communication mode.
- The reader always be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically switch to OSDP-only communication mode.
- When connecting the reader to an OSDP panel connect the Green wire to RS485A(TR+), and the White wire to RS485B (TR-).
- To return to OSDP auto-detect mode (default mode), tilt the reader 45 degrees to simulate tamper and cycle power in this state. The power up sequence should indicate OSDP auto-detect with 4 beeps.
- In OSDP the readers default baud rate is 9600 and starts up at Address 0. Baud rate and Address can be reset by performing the same tamper startup mentioned above.
- Once the reader's default OSDP Key has been changed, only the panel can relink to a new OSDP Key.

Ex. 15 (WaveLynx Single Gang Installation Guide) at 2; *see also* Ex. 16 (WaveLynx Mullion Installation Guide) at 2.

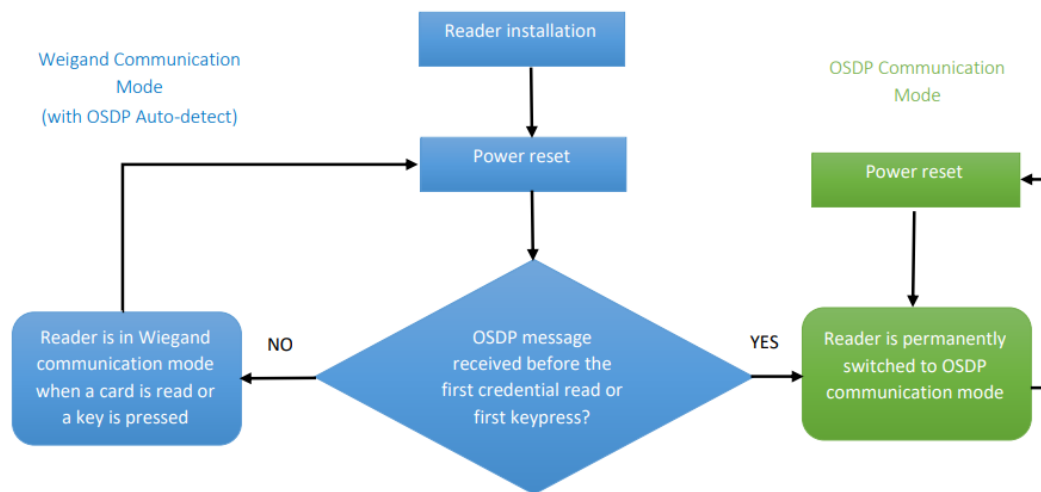
What is the purpose of the 'OSDP® auto-detect' feature?

All you need is one reader: for OSDP panels, Wiegand panels, and for a seamless transition from a Wiegand panel to an OSDP panel.

Simply connect the green and white wires for either communication protocol: The reader communicates with any Wiegand panel out-of-the-box, and automatically upgrades to OSDP when it receives an OSDP message, without having to physically reconfigure, rewire or even touch the reader. For enhanced security, once the reader transitions to OSDP communication mode, it will no longer revert back to Wiegand communication mode.

How does the reader detect OSDP?

By default (out-of-the-box) the reader will transmit credential and keypad data in Wiegand communication mode. Upon each power up, and before the reader reads a credential or a key is pressed, the reader will be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically, and permanently switch to OSDP communication mode. This diagram describes how this feature works:



Ex. 9 (OSDP Auto-Detect & Reader Reset Sequence) at 2.

1[d] based on determining that the message was transmitted by the

The WaveLynx Ethos Readers transition the credential reader from the first mode of operation to a second mode of operation, wherein the first mode comprises a non-secure

upstream device, transitioning the credential reader from the first mode of operation to a second mode of operation, wherein the first mode comprises a non-secure Wiegand mode and wherein the second mode comprises at least one of a secure Wiegand mode and a packet-mode.

Wiegand mode and wherein the second mode comprises at least one of a secure Wiegand mode and a packet-mode, based on determining that the message was transmitted by the upstream device.

For example, the WaveLynx Ethos Readers switch from a defaulted Wiegand mode to an OSDP-only communication mode automatically after receiving an OSDP message.

Installation tips:

- By default, the reader will transmit credential and keypad data in Wiegand communication mode.
- The reader always be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically switch to OSDP-only communication mode.
- When connecting the reader to an OSDP panel connect the Green wire to RS485A(TR+), and the White wire to RS485B (TR-).
- To return to OSDP auto-detect mode (default mode), tilt the reader 45 degrees to simulate tamper and cycle power in this state. The power up sequence should indicate OSDP auto-detect with 4 beeps.
- In OSDP the readers default baud rate is 9600 and starts up at Address 0. Baud rate and Address can be reset by performing the same tamper startup mentioned above.
- Once the reader's default OSDP Key has been changed, only the panel can relink to a new OSDP Key.

Ex. 15 (WaveLynx Single Gang Installation Guide) at 2; *see also* Ex. 16 (WaveLynx Mullion Installation Guide) at 2.

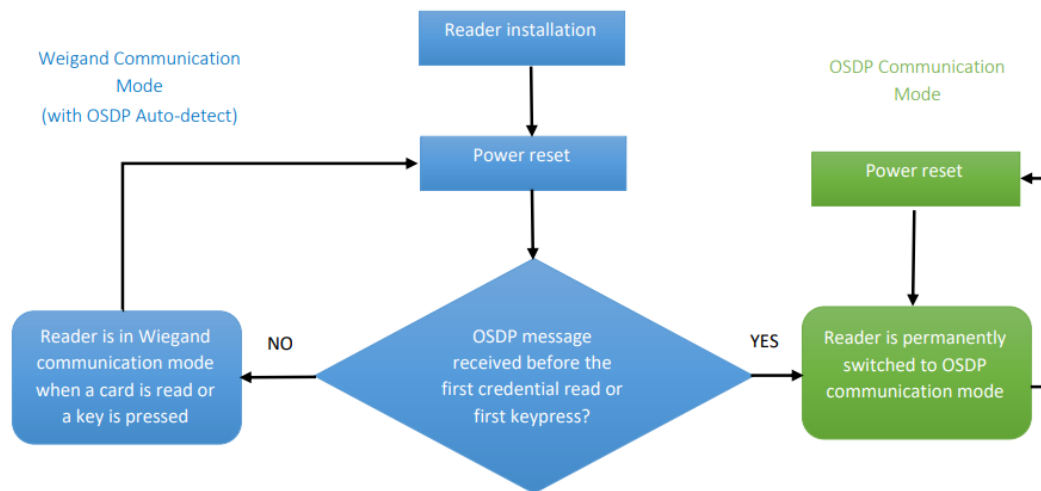
What is the purpose of the 'OSDP® auto-detect' feature?

All you need is one reader: for OSDP panels, Wiegand panels, and for a seamless transition from a Wiegand panel to an OSDP panel.

Simply connect the green and white wires for either communication protocol: The reader communicates with any Wiegand panel out-of-the-box, and automatically upgrades to OSDP when it receives an OSDP message, without having to physically reconfigure, rewire or even touch the reader. For enhanced security, once the reader transitions to OSDP communication mode, it will no longer revert back to Wiegand communication mode.

How does the reader detect OSDP?

By default (out-of-the-box) the reader will transmit credential and keypad data in Wiegand communication mode. Upon each power up, and before the reader reads a credential or a key is pressed, the reader will be listening for an incoming OSDP message. If a message is received during this period, the reader will automatically, and permanently switch to OSDP communication mode. This diagram describes how this feature works:



Ex. 9 (OSDP Auto-Detect & Reader Reset Sequence) at 2.

OSDP is a packet-based form of communications that allows for bi-directional communication between the reader and the access control system.

OSDP™ Remote Reader Firmware Upgrades

The Ethos reader line is designed using the Security Industry Association's (SIA) recently released OSDP™ standard, V2.1.7 enabling secure channel and upgrade capabilities remotely from the access control host system. The Ethos reader line is the first access control reader on the market that is designed, tested, and validated by multiple third party's test facilities as remotely upgradable over a secure channel.



They are proven to deliver the following functionality:

- Bi-directional communication between reader and system over a secure channel
- Firmware updates from host to the reader over Secure Channel
- Reader configuration changes pushed from the host to reader over Secure Channel

For more information contact Catherine Carducci (ccarducci@wavelynxtech.com) at WaveLynx Technologies.

Ex. 10 (Access Control Innovation) at 1-2.