

ABSTRACT

TYPE 4 NFC TAGS AS PROTOCOL INTERFACE

NFC terminal devices and corresponding integrated circuit cards (ICCs) use NFC Type 4 tags as a protocol interface for complex or encrypted communication protocols that are not natively supported by the NFC terminal devices. A smartphone acting as an NFC terminal may block applications and/or protocols other than NFC data exchange formatted (NDEF) messages. An ICC applet supporting an advanced function uses designated memory locations for the transfer of commands normally supported at an application level. Both the terminal side and the ICC applet may check the designated memory locations for updated data in the absence of protocol-level message controls.

(Figure 4)