## NFC Standard Essential Patent Candidates Data 4Q 2014

NFC Standard Essential Patent Candidates Data 4Q 2014 is a product of TechIPm, LLC (<u>www.techipm.com</u>) based on NFC standards related patents research for US market leader among NFC product manufactures and innovators. NFC Standard Essential Patent Candidates Data provides current assignee name, USPTO and EPO family issued patent number (with Hyper-link to Google patents), related standard specifications, title, and abstract.

## Methodology

1. Search for NFC standards related patents.

• Search the current USPTO and EPO database for the issued patents as of 4Q 2014

2. Review the searched patents for essential patent candidates.

- Review the patents.
- Categorize the identified patents through the essentiality evaluation process by standard specifications.

Target Standard Specifications:

ISO/IEC 18092 - 2004

Latest versions of NFC Forum's standard specifications:

Activity, Digital, Protocol, LLCP (Logical Link Control Protocol), NDEF (Data Exchange Format), RF/Analog, RTD (Record Type Definition), Connection Handover, and Tag Operation.

## Deliverables

<u>MS excel file</u> for NFC standard essential patent candidates (total of 124 issued US patents). Assignees: Apple, Broadcom, Inside Secure, Microsoft, NEC, Nokia, NXP, Qualcomm, REGIE AUTONOME DES TRANSPORTS PARISIENS, Round Rock, Samsung, Silicon Storage Technology, Sony, STMicroelectronics, Symbol Technology, Texas Instruments

	A	В	С	D	E	F
1	Assignee	Patent Num.	EPO Family	Stnadard Specifications	Title	Abstract
2	Round Rock					
3	Round Rock					
4	Round Rock					
5	Round Rock					
6	Round Rock					
7	REGIE AUTONOME DES TRANSPORTS PARISIENS					
8	REGIE AUTONOME DES TRANSPORTS PARISIENS					
9	Inside Secure					
10	Texas Instruments					
11	Symbol Technology					
12	NXP					
13	Sony					
14	Round Rock					
15	Sony					
16	Nokia					
17	Nokia					
18	Sony					
19	NXP					
20	NXP					

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