Technology Request

Electronic shelf label system using bluetooth low energy network sought

Summary

A South-Korean SME specialized in NFC (near field communication) development is looking for electronic shelf label system using BLE (bluetooth low energy) network. As an access point transmitting between host device and slave device, the technology has to communicate with host device by WIFI (wireless fidelity) and classic bluetooth and with slave device by BLE. The company is interested in joint venture agreement, licensing agreement and technical cooperation.

Expiration Date 28 June 2017
Reference TRKR20150903001

Details

Description

A South-Korean SME specialized in NFC development is looking for the Electronic Shelf Label system using BLE network.

The existing ESL system is using Zigbee platform as a communication tool between host device and slave device.
It is difficult to apply Zigbee platform to other equipment and causes a rise in costs as it is required to use exclusive terminal equipment.
Therefore, the company is looking for a new innovation which allows the following conditions.

1) Should avoid using separate gateway
- should be able to control the slave device with a general wireless router

2) Access point should link to generic network
- should be able to link to host device through general WLAN(wireless local area network)
- should be able to link to slave device through BLE

3) Supports communication using smart phones
- should support communication function with host and slave device using smart phone

The company has a long term business commitment to provide necessary service and resources that is needed, and The international cooperation is envisaged via the development of technology and adaptation to commercial production for specific needs of different customers. The company is interested in joint venture agreement, licensing agreement and technical cooperation. By means of a joint venture, both companies would develop a new entity, under the name of which, they would work together and come up with new projects. For a licensing agreement, the partner will posses the technology and will gain right to commercialize the product. Lastly, The partner of technical cooperation agreement should provide the necessary technologies that would help reaching the goal.

Technical Specification or Expertise Sought

*Software : Linux or android OS(operating system)
*WLAN - Dual band (2.4GHz, 5Ghz)
*Ethernet - 10/100 Mbps / DHCP(dynamic host configuration protocol) assignment
*Bluetooth
- 2.1+EDR(enhanced data rate), BLE
- output power : class 1

IPR Status

Patents granted

Keywords

Technology

01003013	Information Technology/Informatics
01003014	Internet Technologies/Communication (Wireless, Bluetooth)

Market

01004002	Data communication components
01006004	Communications services

NACE

J.61.2.0	Wireless telecommunications activities

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

South Korea

Partner Sought

Type and Role of Partner Sought

Type of partner sought
- SME, institution or Larger company

Specific area of activity of partner
- Information and communication technology, wireless network, Bluetooth, Data communication

Tasks to be performed by the partner sought

Technical cooperation agreement partner
- Help on developing the technology of Bluetooth assess point

License agreement partner
- Can commercializing the product and hold right to distribute

Joint Venture Agreement Partner
- Help Korean company to reach new markets, expertise, coverage and efficiency savings, subject to negotiation

Type and Size of Partner Sought

SME 11-50,R&D Institution,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

License agreement
Technical cooperation agreement
Joint venture agreement

Attachments