Telecomunicazioni

PARTNER SEARCH PMI7-EU-BSGSME-36

01 dicembre 2017

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Richiesta di un centro di ricerca spagnolo alla ricerca di partner da includere in un loro progetto da presentare nel programma CAPACITIES tematica RICERCA PER LE PMI .

Per maggiori informazioni sulla Ricerca Partner e per conoscere i contatti del proponente, potete consultare il seguente indirizzo web.

http://www.apre.it/formaAssist/scheda.asp?id=991

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<Reference n.: PMI7-EU-BSGSME-36>

<Deadline: 11/04/2008>

<Programme: Ricerca per le PMI>

<Project Title: VOZSET: LOW POWER AUTONOMOUS VOIP WIRELESS HEADSET>

<Financial Scheme: Ricerca per il beneficio di gruppi specifici (SME)>

<Description: During last years, the augment of the bandwidth of the Internet connection has produced an increase of the employ of the VoIP Technology (Voice over Internet Protocol) which allows to route voice conversations over Internet or through any other IP-based network. This phone service is free or cost less than equivalent service from traditional sources (PSTN , Public Switched Telephone Network). Furthermore, VoIP provide new functionalities that are difficult to impossible with traditional phone networks.
Common programs as Messenger or Skype are used daily by millions of people and it is has been estimated that this technology will account for over 12% of all telephony revenues by

2009 as VoIP evolves from being a replacement service for the PSTN into a new converged service for home and business users.

A number of IP phones are already available for use with PC or laptops which simulate a traditional phone, and take advantage of VoIP technology. Basically, they comprise microprocessor, microphone, speaker, display, and keyboard and interface with the PC via its USB port. Cordless IP voice phones based on DECT (Digital Enhanced Cordless Telecommunications) or 802.11b (WiFi) are also available. However, such handset implementations are relatively costly, bulky, and offer limited autonomy due to large physical size of the chip sets, and their relatively high power consumption. The power consumption of WiFi is largely a consequence of its high available bandwidth (11 Mbps for the WiFi b version) which is overkill for the purpose of voice communication. Bluetooth, which is widely used in wireless headsets for mobile phones and MP3 players, is also used in VoIP headsets, but restricts the physical movement of the user to within a radius of only few meters during use. The bandwidth of Bluetooth (1 Mbps) also comes at the cost of power consumption, and limited autonomy with small headset batteries.

There is a clear need for cost effective IP cordless phone offering wide coverage and good battery autonomy, which provides users with the freedom to take the conversation wherever they need to go, in the office or home.

The commercial objective of the project is to offer a low power wireless headset in a relatively short time, lower than 3 years. A consortium is opened to any SMEs interested on contributing during the development and exploitation of the results: System embedded manufacturers / Voice Codec development / Radio frequency equipment developers and distributors.

The aim of the project is to develop a low cost, ultra low-power wireless headset using an emerging RF technology to transmit voice in full-duplex mode for use with leading VoIP programs, and enabling calls to be accepted from the headset. The project will also develop the USB dongle, to act as the bridge between the VoIP software and the wireless headset, and will develop a PC driver to interact with the VoIP Software. This already-proven technology, will offer the following features:

. Low power. Wireless headset with 4 times greater (battery) autonomy than the best comparable system.
. Low cost. Below ?60 including the wireless headset + USB dongle + PC driver
. Wide range. Up to 60 m indoors.
. Compact. Opportunity to develop attractive, ergonomic devices.

<Organisation Type: Altro>

<Partner Sought: We look for partners willing to participate as:

Technological SME expert in:
.Member of Zigbee Alliance
.Zigbee devices manufacturer
.VoIP software
.Software driver developer
.DSP expert programmer & supplier

End User SME expert in:
.Bluetooth marketing specialist
.Wireless headset distributor, supplier
.Free-hands kit, cordless phones

ROLE:
- Technology supplier
- Technology user
- Training
- Technology Integrator
- Validation and test assistant

ORGANISATION TYPE:
-SME

HOW MANY PARTNERS ARE REQUIRED?
- 3 (NOT SPANISH)
For further information about this Partner Search, including Contact Person's details, please consult this web address:

http://www.apre.it/formaAssist/scheda.asp?id=991