

□ 수요희망 국가 : 이탈리아

□ Ref NO. TRIT20170720001

기술 & 시장 분야

기술 키워드 : 데이터 보호, 저장, 보완, 첨단 시스템 아키텍처, 클라우드 기술 등

예상 적용 제품/공정(관련시장) : 시스템 소프트웨어, 프로그래밍 서비스 및 시스템 엔지니어링

세부 내용

누구나 인터넷에 접속하고 연결될 수 있는 오늘날, 사이버 보안은 이제 모두에게 해당되는 주제임. 따라서, 동 이탈리아 기업이 제안하는 솔루션은 제한된 기술능력으로 컴퓨터 공격 및 기타 중대한 오작동으로부터 정보자산을 보존하는데 필요한 조치를 취할 수 있도록 지원함. 특히 받은 동 장치는 전반적인 비용절감 및 복구관리 프로세스 간소화를 가능케 함.

동 이탈리아 기업은 컴퓨터 위험관리를 위한 "원 푸시 버튼(복구 버튼)" 기능이 구현된 혁신적인 IT 장치를 특허 신청함. 동 장치는 사용자의 컴퓨터가 공격 당했을 때, 기존 작업 상태를 복원하고 데이터를 보존할 수 있음. 현재 제품 개발은 50% 정도 완료 되었으며, 소프트웨어 개발 및 통합 시스템 기술이 추가적으로 필요함. 따라서, 동 기술개발 완료를 위해 조인트 벤처계약 혹은 서비스 계약 체결을 함께 체결할 파트너를 찾고 있음.

동 장치는 "cyber box"로 구성 되어있는데, 이 사이버 박스는 사용자의 로컬 네트워크에 통합되고 클라우드 플랫폼과 연결되어 백업, 빠른 운영복구 등 신속한 대응이 가능하도록 프로그래밍 되어있음. 이 사이버 박스는 인터넷으로 통신하는 IoT 장치로서 사용자가 "복구 버튼"을 누르면 장치는 자발적으로 정상 작업 조건으로 되돌려 모든 데이터를 복구함으로써 사용자가 중단이 발생한 지점에서 정확하게 작업을 계속할 수 있음. DoS 공격, malware, 데이터 손실, 부분 또는 전체 시스템 블록과 같은 다양한 유형의 장애를 지원할 수 있도록 프로그래밍 되었음.

요청 사항

- 웹 기반 back-end 애플리케이션 개발, 시스템 통합을 할 수 있는 파트너를 찾고 있음.
- Unix / Linux 및 MS Windows 운영 체제, IT 아키텍처, bacula 백업 또는 clonazilla 응용 프로그램 등에 대한 노하우가 필요함.

협력 희망 유형

- 서비스 계약, 조인트벤처

Technology Request

An Italian inventor is looking for service or joint venture agreements to complete the development of an innovative emergency device to manage computer risks

Summary

An innovative IT device implementing a "one push button" procedure to manage computer risks was patented by an Italian inventor. The device restores the operating state and preserves data when a user suffered a computer attack. Currently, the development of the product is at 50%, a further part of software development and system integration is needed. The inventor is willing to establish a joint venture agreement or a service agreement with partners to complete the development of the technology.

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Reference	TRIT20170720001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/6f187698-735a-47a1-abf4-229a04d408f3

Details

Description

The inventor is a specialized and passionate cybersecurity engineer. He worked as a consultant for important Italian IT and security companies. Knowledge and passion for security coupled with creativity led the inventor to develop a new solution to a common challenge in cybersecurity.

Cyber security is a pervasive topic as anyone is now constantly connected to the Internet. The proposed solution allows any user with limited technical capabilities (i.e., private users as well as freelancers, self-employed workers, SMEs and public administrations) to set up the actions necessary to preserve the information assets against computer attacks and other severe malfunctioning. The patented device is able to simplify the recovery management process with overall reduction in costs.

The architecture is composed of a "cyber box", that is a dedicated device to be integrated into the user's local network and connected with a Cloud platform, programmed to provide incident response, backup, and quick operational recovery. The box is an Internet of Things device that communicates via Internet, which automates the processes required to manage IT incidents by means of a "one button" emergency procedure.

The device is programmed to face different types of incident, such as DistributedDoS attack, malware, data loss, partial or total block of systems. When the user presses the "recovery button", the device can autonomously trigger recovery procedures to return to normal work conditions in a timely manner, recovering all the data, to allow users to continue their activities exactly from the point where the interruption occurred.

The solution is an industrial patent filed in 2016 at the Italian Patent and Trademark Office for which the official report has already been announced. By August, a request for international Patent Cooperation Treaty (PCT) extension will be submitted to the World Intellectual Property Organization (WIPO).

The inventor is looking for an industrial or commercial partners, interested to support and launch the innovative product on the market under a joint venture agreement. The partner is expected to provide funds and/or directly participate in the development of the final product.

The inventor is also willing to collaborate under a service agreement with international partners interested in providing development services in the form of work for equity (as it is made possible, for instance, by the Italian laws regulating innovative startups). In particular, the following services are specifically required: web based back-end application development and system integration activities (know-how on Unix/Linux and MS Windows, bacula backup or clonazilla applications).

Technical Specification or Expertise Sought

The inventor is looking for the following services: web based backend application development, system integration activities. Know-how on Unix/Linux and MS windows operating systems, IT architectures, bacula backup or clonazilla applications are required.

Stage of Development

Under development/lab tested

Comments Regarding Stage of Development

The inventor has validated its concept by developing a minimal viable product. Currently, a laboratory prototype is available.

IPR Status

Patent(s) applied for but not yet granted

Comment Regarding IPR status

Patent application filed in 2016 at the Italian Patent and Trademark Office. By August 2017, a request for international PCT extension is planned.

Keywords

Technology

01003001	Advanced Systems Architecture
01003009	Data Protection, Storage, Cryptography, Security
01003013	Information Technology/Informatics
01003024	Cloud Technologies

01003025

Internet of Things

Market

02007001

Systems software

02007022

Software services

02007024

Programming services/systems engineering

NACE

J.62.0.1

Computer programming activities

Network Contact

Issuing Partner

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Inventor

Year Established

0

Ref: TRIT20170720001

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Italian

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

JOINT VENTURE AGREEMENT

SME/MNE, manufacturer of information technology devices or security company who is interested to provide funds and/or services to complete development and system integration activities and to place the product on the market in exchange for company shares with management functions.

SERVICES AGREEMENT

SME/MNE, manufacturer of information technology devices or security company who is interested to provide the following services in form of work for equity: web based back-end application development and system integration activities. Know-how on Unix/linux and MS Windows, bacula backup or clonazilla applications is required.

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

Services agreement
Joint venture agreement

Attachments
