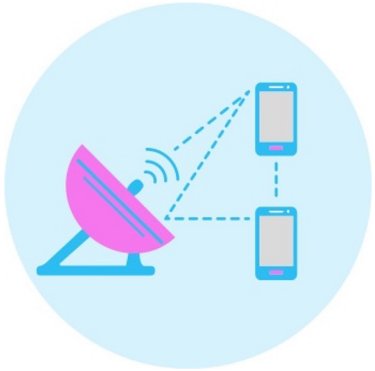

A resilient and user-friendly CAPTCHA

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Inventors	Mauro Conti, Riccardo Spolaor, Claudio Guarisco
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Protection	IT Patent: IT0001428712 US Patent: US 10387645 EU Patent: EP 15825830.1

What we are looking for

We are looking for a suitable partner to enter into license deal/co-development partnership

What it is needed for?

In order to protect on line services form malicious attacks, access is only granted to users by solving a CAPTCHA (Completely Automated Public Turing Test to Tell Computers and Humans Apart) to distinguish a human user from a malicious software robot. This patented image-based.

CAPTCHA relies on the human ability to recognize shapes in a confused environment. It is user friendly and resilient to automated attacks. A good CAPTCHA must be user-friendly and at the same time offer resiliency against automated attacks.

This patented image-based CAPTCHA relies on user interaction because it depends on the innate human ability to recognize shapes in a confused environment. It was thoroughly tested to evaluate the two key aspects of a CAPTCHA: the usability, by carrying out a user study; the resiliency against traditional, specifically designed, and machine learning based automated attacks. The results is a user-friendly CAPTCHA resilient to automated attacks.

Advantages

- User friendly
- Effective resilience from automated bot attacks
- Improves internet service security

Applications

- Internet service security against malicious bot attacks

TRL scale

1 2 3 4 5 6 7 8 9

Informatics, Electronics and Communication Systems