

No 694/08.12.2020

Public Relations:
tel./fax: 021 326 06 36
pr@inregistrare-marci.ro

Customer Relations:
tel.: 0724 566 799
customer@inregistrare-marci.ro

Litigations & Notifications:
tel.: 0723 566 799
litigations@inregistrare-marci.ro

TO European Patent Office
REF communication pursuant to Article 94 (3) EPC / 13.11.2020
application no 17859340.6
Applicant / Proprietor: PROMAR TEXTIL INDUSTRIES S.R.L.

Dear Sirs,

In reply to the communication dated November 13, 2020, the Applicant wishes to present the following response intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and believed to place the application in condition for allowance. Applicant asserts that the present invention is new and inventive comparing with the state of the art cited during the examination procedure.

Furthermore, the Applicant acknowledges the objections concerning the lack of clarity raised by Examiner. In this respect, the following corrections/modifications were made in the Claims:

Basis of amendments:

1. Claim 1 was amended by deleting the expression "***the whole assembly being sealed by hot-dipping of a second textile substrate***". Indeed, there is no support in the description for these features. Also, in Claim 1 was added the feature "and in that the central double loop (5) does not have electrical contacts at the intersection points (A and B)" in order to emphasize the clear difference between our invention and the solution disclosed by US 20090795574 A1 or DE 102013102051 A1, cited in the International Search Report. Said feature was initially present in the dependent Claim 3.
2. In the Claim 1, misspellings noted were corrected.
3. The dependent Claim 3 was redrafted accordingly.

In the description, all corrections/modifications mentioned in the communication are clearly indicated on the original text.

Bucuresti: 0722 428 818

Brasov: 0730 555 743

Cluj: 0728 024 222

Craiova: 0735 197 671

Iasi: 0722 786 974

Timisoara: 0723 204 268

www.inregistrare-marci.ro

Received at EPO via Web-Form on Dec 08, 2020

Public Relations:
tel./fax: 021 326 06 36
pr@inregistrare-marci.ro

Customer Relations:
tel.: 0724 566 799
customer@inregistrare-marci.ro

Litigations & Notifications:
tel.: 0723 566 799
litigations@inregistrare-marci.ro

Concerning the new and inventive character of the invention comparing with the documents cited during the examination, the Applicant reiterates the followings.

Indeed, WO 2017060652 A1 discloses the preamble of the independent Claim 1.

Referring to the US 20090795574 A1 or DE 102013102051 A1, there is no indication nor suggestion about a continuous **(electrically) conductive textile thread** configured such that it forms an antenna in the form of a double loop.

Moreover, according to the present invention, **the continuous electroconductive textile thread** forming the **UHF-SHF antenna (2) has intersection points (A, B)**, which is not the case with the antenna shown in the cited documents. This double loop configuration claimed by invention, and taking into account the intersection points A & B, has to be understood as two loops substantially parallel with similar dimensions.

The idea behind this configuration is to decrease the dimensions of the tag by using the double loop (5) and to concentrate the electromagnetic field in the area of the transponder (3) by using two rounds, of similar dimensions, which closely surround the transponder (3). In this way, we are able to meet the resonance condition at the UHF RFID tag designed by us, the reading distance being 2-10 m (depending on the power of the reader). On the contrary, the solutions according to the state of the art is that by increasing the circumference of the loop, the extension of the detour surrounding the circuit chip, the performance/precision of the tag increases.

In conclusion, the Applicant considers that the essential differences mentioned above make the new amended claim 1 not only a new solution in relation to WO 2017060652 A1, but also a non-obvious one in relation to the state of the art cited during the examination procedure.

The dependent Claims 2-5 are to be considered allowable.

Kind regards.

WEIZMANN ARIANA & PARTNERS AGENTIE DE PROPRIETATE INTELECTUALA
Str. 11 Iunie, nr. 51, sc. A,
etaj 1, ap. 4, sector 4
040171 Bucuresti
Romania – office@inregistrare-marci.ro

Bucuresti: 0722 428 818

Brasov: 0730 555 743

Cluj: 0728 024 222

Craiova: 0735 197 671

Iasi: 0722 786 974

Timisoara: 0723 204 268



www.inregistrare-marci.ro

Received at EPO via Web-Form on Dec 08, 2020