

The Korean company providing magnetic wireless charging & data sync & waterproof solution is looking for the partners over the world

Summary

Profile type	Company's country	POD reference
Technology offer	South Korea	TOKR20230811001
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
<u>Rita ELSTE - TOMSONE</u>	11 Aug 2023 10 Aug 2024	11 Aug 2023

General Information

Short summary

The Korean company is the Magconn technology developer and the global patents owner. Founded in 2000, they aim to provide smart power solutions for our partners. its technology is magnetic wireless charging & data sync & waterproof solution which can be applied for all the mobile devices and accessories. They are looking for the partners over the world

Full description

Its technology can be applied in smartphones, tablet PCs, action cameras, mPOSs, barcode/RFID readers, medical devices, iPhone & Android phone cases and accessories, and automotive accessories in the global market..

The company is looking for all clients who wish to apply its technology into their products and business to differentiate their products in the competitive market.

Magconn stands for magnetic connection/magnetic connector.

Magconn technology is same as USB in terms of function (charging & data sync), but the design and the user interface are totally different from that of conventional USB connector.

Magconn technology is magnetic wireless charging & data sync solution and Magconn module can be applied for all

the mobile devices and accessories.

Magconn technology has been applied in Smartphones, Tablet PC, Action camera, mPOS, Barcode/Rfid reader, Bike light & GPS tracker, Medical device, iPhone & Android phone cases and accessories, Automotive accessories, etc. in global market

Validation

Magconn technology/modules have been used for many mobile electronics in global market. Here are some examples

Crosscall – Smartphone

: They the fast growing French company in the rugged smartphone market in Europe. Magconn RX is built in on their rugged smartphones as a key element and as a charging/data sync connector. Magconn TX built in accessories (cable, car charger, desk stand, memory, barcode scanner) are lined-up for more comfortable use in a daily life & outdoor environment.

Zensho – Self Ordering System. Tablet & Charging Station for restaurant chain stores

: They are the top ranking company in the restaurant chain stores business in Japan. Magconn is built in on the self-order system hardware products (Tablet case, Table charger, Powerbank, etc.). People can order food menu by using the Tablet at the table where they are seated.

OCLU – Action camera

: They promote a new action camera in US. Magconn RX is built in on the camera and the Magconn TX is built in on the charger to have simple magnetic charging.

AsReader – Barcode/Rfid Scanner

: They are fast growing Japan company in the barcode/Rfid scanner market in Japan. Magconn RX is on the scanner, and Magconn TX is on the compatible accessories (charger, cable, powerbank, etc.)

Vodafone - Bike Light & GPS Tracker

: They are top ranking mobile carrier in Europe. Magconn RX/TX are built in on their accessory product (bike light & GPS tracker)

Advantages and innovations

Benefits

1. Magnetic wireless charging/data sync solution for all the mobile devices
2. High charging efficiency (98~99%), and Quick Charging
3. Compact size and thin form factor (1.2mm, 0.7mm)
4. No heating issue
5. No harmful electromagnetic radiation (ELF/ELFMW)
6. Waterproof and dustproof (meets IP68)
7. Short circuit protection
8. User convenience (Easy alignment, 360 degrees rotation, etc.)
9. Unique IT device connectivity solution/interface
10. Data security
11. Global patented technology.
12. No extra certification is required to apply Magconn into mobile devices.

Competitive Advantages

Magconn technology is an eco-friendly wireless charging/data transmission technology without energy loss during charging. Its power rating allows quick charging (5V~12V/3A max). Magconn technology can replace the existing wireless charging (Qi) and USB charging and data transfer. Magconn provides stable and fast charging for mobile devices and can be compatible with universal charging accessories. Magconn is currently in the mass production stage and is being used around 1 million pcs per year. The market has acknowledged the usability of Magconn technology.

The existing wireless charging method (Qi) can only charge, and the power loss during the charging is usually more than 30%, which makes it not eco-friendly charging. The existing USB port method allows both charging and data transfer, but it is still only possible with the plug-in & plug-out method of the charging cable, which makes it quite limited in functionality and usage in various environments.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR granted

Sustainable Development goals

- **Goal 8: Decent Work and Economic Growth**
- **Goal 17: Partnerships to achieve the Goal**

Partner Sought

Expected role of the partner

What they are seeking

: looking for buyers, licensees, business partners, independent sales representatives

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **SME 11-49**
- **SME 50 - 249**
- **Other**

Dissemination

Technology keywords

- **01003010 - Databases, Database Management, Data Mining**
- **02009016 - Charging system**

Targeted countries

- **World**

Market keywords

- **03003 - Power Supplies**
- **03001009 - Other electronics related (including keyboards)**

Sector groups involved