

TO WHOM IT MAY CONCERN

PPC - Patent Portfolio

We offer intellectual property rights and technology transfer of embedded sensor solutions providing enhanced security for lives and loads in trucks, buses, cars, construction machines, etc.

EMBEDDED SENSOR SOLUTIONS

We want our embedded sensor solutions to be accessible and affordable for the millions.

1. We can prove that we have know-how to provide natural as well as man-made objects with embedded sensing & signaling solutions offering enhanced security for lives & goods.
2. Our business idea is to offer to whom it may concern ToT (Transfer of Technology). We offer IPR (Intellectual Property Rights) licenses focused on providing enhanced security for lives and loads in buses, cars, trucks and construction machines as well as for exhibited art, wearable mobile devices, mobile telephony base stations, etc.
3. Our background comprises heading R&D project EU235 within the Eureka programme, selling IPR & ToT for white goods applications and for narrow-band image communications, verifying the feasibility of providing trucks with enhanced security for lives & goods, etc.

PPC has developed and installed proximity warning sensors for protection of exhibited art in museums. When the first car from Saab was shown by the Modern Museum, one of our sensors provided an invisible protection.

SAAB - 1947



INSTALLATION

The invisible protection of the first car from Saab took less than 15 minutes to install at the Modern Museum. Using an application specific proximity sensor from PPC, it is possible to provide in the same way also even very large vehicles with invisible and proactive protection!

PPC offers your company a customized application specific proximity sensor which can provide also large vehicles with an invisible protection along its periphery, including added trailers. In order to avoid false alarms, the proximity reaction distance can be reduced into close proximity along the whole surface of the vehicles.

PPC looks forward to possible cooperation in exploring both civil and military applications.

An Application Specific Proximity Sensor

PPC offers an application specific proximity sensor making enhanced security for lives and loads possible in trucks, buses, cars, construction machines, etc. A trailer would be automatically protected by the very same sensor installation. Installation of the sensor is made very easy. An invisible antenna could be used in a prefabricated form or added below the vehicle which will become sensitive to proximity along the extension of its whole periphery.

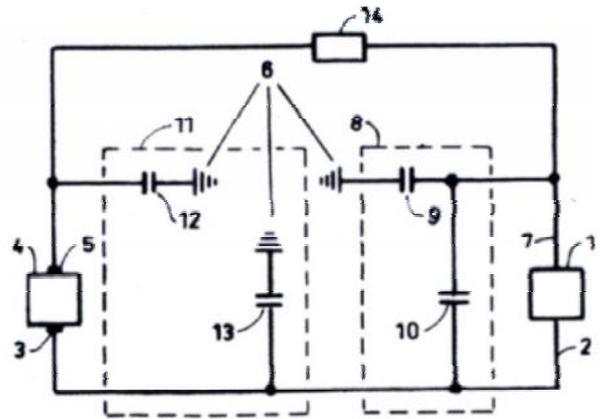


Fig. 1

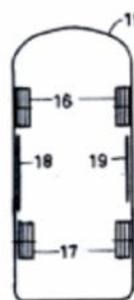


Fig. 2



Fig. 3

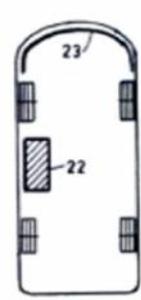


Fig. 4

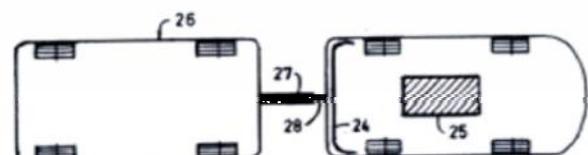


Fig. 5



RELIABLE AND INVISIBLE INSTALLATION

A wired connection from an invisibly installed antenna to a control unit can, as proposed by PPC, provide proximity sensing functionality along the whole periphery of even a big vehicle also when it is provided with a trailer.

Sensor enhanced safety and security.

BRIEF HISTORY

Carl R. Wern, a registered professional mechanical engineer in the State of Michigan, USA, started 1963 in Sweden a HVAC consulting company, Wern Inter AB, The company has provided various consulting engineering design services including automatic control design for projects in Sweden and also other countries in Europe, Asia, Africa & North America.

P-PHONE CONTROL AB (PPC)

Carl and George H. Wern founded 1992 PPC in a joint-venture agreement with Lars A. Wern. PPC is focused on proximity sensor R&D and offers patent and know-how license agreements. Proprietary sensing & signaling solutions make in many applications enhanced security for lives and goods possible as an embedded functionality.

PPC PATENT PORTFOLIO

Multi-Purpose Capacitive Sensor 1

- 1a Sweden 0900033-2 SE 533 658
- 1b. USA 2010082892
- 1c. WO 2012019264

Multi-Purpose Capacitive Sensor 2

- 2a Sweden 1000755-7 SE 535 106
- 2b Korea 2012005646
- 2c USA 8941391 2013162267
- 2d Brazil 112013000474
- 2e Russia 2013105499
- 2f WO 20137002398

Natural Disaster Alarm System

- 3a Sweden 1200481-8 SE 536 802
- 3b WO 2014025304 EPO13827116.8

Security Shields

- 4a Sweden 1050582-4
- 4b. EP 11792744.2
- 4c China CN102934360A 201180028103.3
- 4d Brazil 1120120300547
- 4e India 10818/DELNP/2012
- 4f Korea 10-2012-7033734
- 4g Russia 2012157241
- 4h PCT SE2011/050695 WO2011/155891

Safety Shields (5)

- 5a. Sweden 1050581-6
- 5b. EP 11792746.7
- 5c. China CN102939718A 201180028102.9
- 5d. Brazil 1120120300474
- 5e. India 11215/DELNP/2012
- 5f. Korea 10-20127033735
- 5g. Russia 2012157294
- 5h. PCT SE2011/050697 WO2011/155893

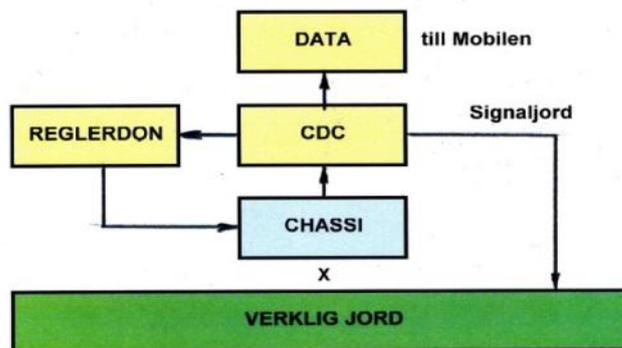
Electric Switch

- 6a USA US7193833
- 6b Korea 009272390000

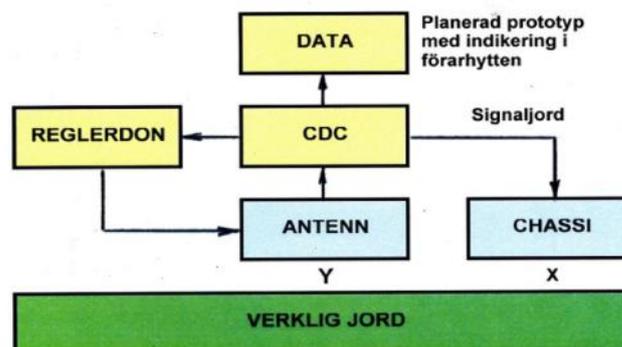
Television System

- 7a Sweden SE070701290-9

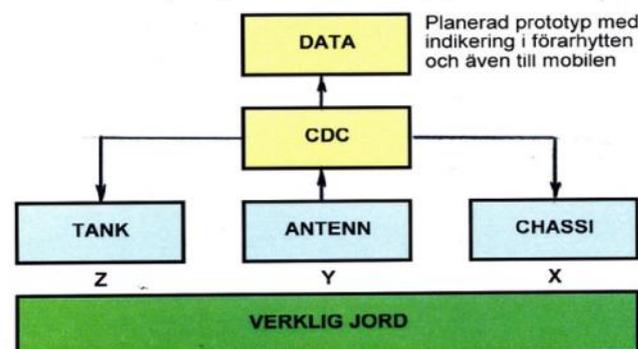
**Embedded Sensor Solutions
ESS 1 - intrångsvarning - fast jordreferens**



**Embedded Sensor Solutions
ESS 2 - riskindikering - rörlig jordreferens**



**Embedded Sensor Solutions
ESS 3 - intrångsvarning - rörlig jordreferens!**



P-Phone Control AB, Stockholm

- Lars Wern is the original and first inventor of various embedded sensor solutions which have resulted in
1. a "Connected Tree" demonstrated successfully by Ericsson at International Fairs in Barcelona, Hannover and Las Vegas.
 2. a "robotized refrigerator" patented worldwide by Electrolux. Spin-off technology is offered by PPC.
 3. a "security shield" and a "safety shield" patented worldwide by Scania. PPC offers patent licenses.
 4. a large number of "close proximity shields" used by National Museum of Fine Arts, Modern Museum, etc.



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