

## ANNEX 1

1. An implant system for a recipient patient, said implant system comprising:  
a planar implant coil housing (402) for implanting under the skin of said patient containing a receiver coil for transcutaneous communication of an implant communication signal, and containing a first attachment magnet (401) within the plane of the implant coil housing (402),  
an external coil housing (405) for placement on the skin of the patient over said implant coil housing (402), said external coil housing (405) comprising a second attachment magnet (404);  
characterized in that said first attachment magnet (401) is rotatable in said plane of the implant coil housing (402), and has a magnetic dipole parallel to the plane of the implant coil housing (402) for transcutaneous magnetic interaction with said second attachment magnet (404) allowing to form a magnetic attraction connection between them in which the magnetic dipole of said first attachment magnet (401) is parallel to said plane of the implant coil housing (402).
2. An implant system according to claim 1, further comprising:  
at least one magnetic focus director (801) within the implant coil housing (402) adjacent to the first attachment magnet (401) and transcutaneously directing the magnetic field to increase magnetic attraction force between the first and second attachment magnets (401, 404).
3. An implant system according to claim 1, wherein at least one of the attachment magnets (401, 404) has a planar disc shape, a rectangular beam shape, a cylindrical beam shape or a cut away disc shape.
4. An implant system according to claim 1, wherein said second attachment magnet (404) comprises a pair of complementary cylindrical attachment magnets (1101, 1102).
5. An implant system according to claim 4, further comprising:  
a magnetic flux guide (1301) connecting the pair of complementary cylindrical attachment magnets (1101, 1102).
6. An implant system according to claim 1, wherein the first attachment magnet (401) is adapted to rotate within the implant coil housing (402) in response to an external magnetic field.
7. An implant system according to claim 6, further comprising:  
a lubrication coating (802) covering at least a portion of the first attachment magnet (401) and reducing friction between the first attachment magnet (401) and the implant coil housing (402) to promote the rotation of the first attachment magnet (401).

8. An implant system according to claim 1, wherein the implant system is a cochlear implant system, or a middle ear implant system, or a vestibular implant system, or a laryngeal pacemaker implant system.

9. An implant system according to claim 1, wherein said implant system is configured to have said plane of said implant coil housing (402) parallel to the skin when said implant coil housing (402) is implanted under the skin of the patient.

10. An implant system according to claim 1, wherein said implant system is configured to have said second attachment magnet (404) being magnetized parallel to the skin when the external coil housing (405) is placed on the skin of the patient over said implant coil housing (402).

11. An implant system according to one of the preceding claims, wherein the first or second attachment magnet (401, 404) is disc-shaped and has its magnetic dipole oriented across a diameter of the corresponding attachment magnet (401, 404).

12. An implant system according to one of the preceding claims, wherein said implant system is configured such that when the external coil housing (405) is placed onto the patient's skin over the implant coil housing (402), said first attachment magnet (401) may turn around on its axis such that the north and south poles of said first attachment magnet (401) is positioned adjacent to south and north poles respectively of the second attachment magnet (404).

~~13. An implant system according to claim 4 or 5, wherein the second attachment magnet (404) is configured to be oriented over the first attachment magnet (401) with its magnetic axis vertical to the implant coil housing (402).~~

~~13~~13. An implant system according to claim 1, wherein the first attachment magnet (401) is a single cylindrical magnet and the second attachment magnet (404) is a pair of complementary cylindrical attachment magnets (1101, 1102) with opposite magnetic polarities which interact with the first attachment magnet allowing the first attachment magnet to freely rotate in the plane of the implant coil housing (402) to orient itself to magnetically interact with the external attachment magnets (1101, 1102).

~~15~~14. An implant system according to one of the preceding claims, wherein said first attachment magnet (401) is non-spherical and said implant coil housing (402) has a flat bottom so that there is no need to drill a recess into the bone during implantation, wherein said implant system is in particular suited for implantation in young children.