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(57) Abstract :

An approach towards skin-based signal transmission Technology is the proposed invention. The signals can be propagated through the skin because the skin conducts electricity, a current loop can be made through the human body and surroundings electrical fields to earth ground. Several prototypes can be constructed for example electronic business cards can be exchanged through a handshake. However, skin-based communication not only makes such transactions more convenient and easier but also gives an important input modality to the invisible computing user interface: sensing toughness. By limiting communication to devices connected by a skin-circuit people can indicate their specific need for controlling the information to disclose. At Microsoft Research Center, scientists are continuously involved in developing skin-based communication systems.

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