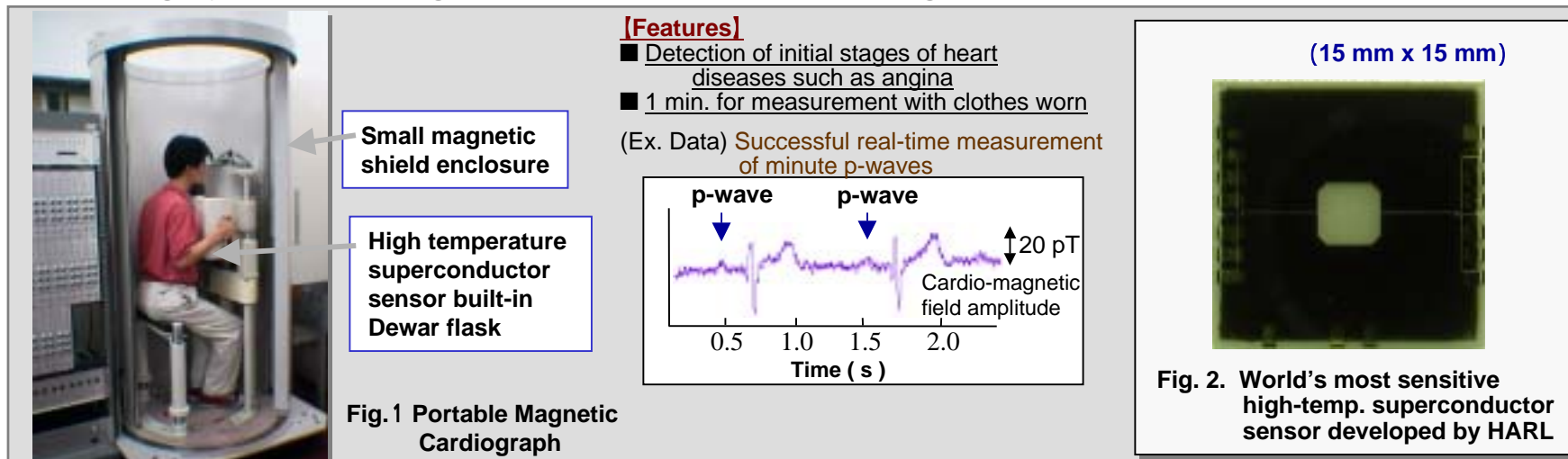


2003/1/10 Release

Development of a portable magnetic cardiograph for screening heart disease

- With a highly sensitive high-temp. superconductor magnetic sensor & small shield enclosure -



The Central Research Laboratory (GM: Dr. NISHINO Toshikazu) and the Advanced Research Laboratory (GM: Dr. OSAKABE Nobuyuki), both of Hitachi, Ltd. as part of the METI and NEDO Support Program for Technology Development for practical use, have led the way worldwide with the development of a compact and portable magnetic-cardiogram, with a floor space of approx. 1 sq. meter. This was achieved by the development of a highly sensitive high-temperature superconductor magnetic sensor and an open-roof type cylindrical shield enclosure. This technology will contribute to future heart disease screening equipment used in health check-ups and group medical check-ups.

METI: Ministry of Economy, Trade and Industry NEDO: New Energy & Industrial Technology Development Organization HARL: Hitachi ARL