

MAGNETIC RESPONSE DISTRIBUTION VISUALIZATION DEVICE, SECURITY INSPECTION SYSTEM, AND MAGNETIC RESPONSE DISTRIBUTION VISUALIZATION METHOD

5 [ABSTRACT]

A magnetic response distribution visualization device (100) includes: an induction circuit (112) that induces a magnetic field component from outside a moving object; a sensor (113) that senses a strength and a phase of the magnetic field at a plurality of points in
10 times outside the moving object; and an information processing circuit (124) that, based on a sensing result of the strength and the phase, a moving speed of the moving object, and a fundamental equation for magnetic fields, calculates a strength and a phase of the magnetic field at a vicinal position closer to the moving object than
15 the sensor (113), and generates, based on a calculation result of the strength and the phase, a magnetic response distribution image for security inspection that shows a distribution of a response of the moving object to the magnetic field component induced by the induction circuit (112).

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Fig. 1

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