

Title (en)

INDUCTIVE SENSOR DEVICE AND INDUCTIVE PROXIMITY SENSOR WITH AN INDUCTIVE SENSOR DEVICE

Title (de)

INDUKTIVE SENSOREINRICHTUNG SOWIE INDUKTIVER NÄHERUNGSSENSOR MIT EINER INDUKTIVEN SENSOREINRICHTUNG

Title (fr)

DISPOSITIF DE DÉTECTION INDUCTIF ET DÉTECTEUR DE PROXIMITÉ INDUCTIF COMPORTANT UN DISPOSITIF DE DÉTECTION INDUCTIF

Publication

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Application

EP 11738653 A 20110705

Priority

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Abstract (en)

[origin: CA2804469A1] The invention relates to an inductive sensor device (10) for detecting a magnetic field change caused by an object (100) approaching in the region of an influencing side (15) of the inductive sensor device (10), wherein the sensor device (10) comprises at least one coil system (20) with a transmitting coil (30) fed with alternating current as well as a first and a second receiving coil (40, 50). In this case, the inductive sensor device (10) according to the invention is designed in such a manner that the two receiving coils (40, 50) are connected in series in opposite senses, the first receiving coil (40) is arranged in front of the transmitting coil (30) and the second receiving coil (50) is arranged behind the transmitting coil (30), based on the influencing side (15), and a screen (60) is provided behind the second receiving coil (50), based on the influencing side (15). The invention also comprises an inductive proximity sensor with an inductive sensor device (10).

IPC 8 full level

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