

Title (en)
HIGH-LAYER EXCITATION COIL FOR INDUCTIVE POSITION SENSOR

Title (de)
HOCHSCHICHT-ERREGERSPULE FÜR INDUKTIVEN POSITIONSSENSOR

Title (fr)
BOBINE D'EXCITATION À HAUTE COUCHE POUR CAPTEUR DE POSITION INDUCTIF

Publication
EP 4374140 A1 20240529 (EN)

Application
EP 21783052 A 20210914

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• IB 2021058360 W 20210914

Abstract (en)
[origin: WO2023037153A1] The present application describes a high-layer excitation coil (101) for inductive position sensors (100). The inductive position sensor (100) is arranged in a multi-layer printed circuit board with independently stacked layers which comprises an excitation coil (101) and at least two receiver coils (102, 103), interlaced in the multi-layered printed circuit board arrangement. The excitation coil (101) circularly surrounds the limits defined by the at least two receiver coils (102, 103) and comprises a set of traces, overlapped and arranged in the independently stacked layers, being connected to each other through a set of vias.

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