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(54) Title: AN INDUCTOR COIL

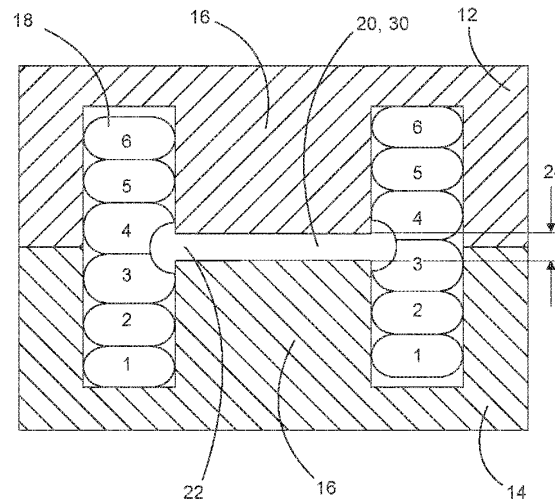


Fig. 1

(57) Abstract: The present invention relates to an inductor coil, comprising: a first component (12); a second component (14); and a length of conductor (18); wherein, the first component is located adjacent to the second component; wherein, a core (16) is formed from the first component and the second component; wherein the core is located along a first portion of a central axis and a second portion of the central axis; wherein, along a third portion of the central axis the first component is spaced from the second component to form a gap (20, 30) in the core, wherein the third portion of the central axis is between the first portion of the central axis and the second portion of the central axis; wherein, a first part of the length of conductor is located around the first portion of the central axis, located around the second portion of the central axis, and located around the third portion of the central axis to form a plurality of turns of conductor around the core and the gap in the core; and wherein, at least one section of the first part of the length of conductor is

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compressed in the direction of the central axis.