Title (en)

Electrical bushing

Title (de)

Elektrische Durchführung

Title (fr)

Traversée électrique

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3007184A1] The present disclosure relates to an electrical bushing (1) comprising an electrically insulating sleeve (2) having a central longitudinal through hole (4) surrounding a central longitudinal axis (5) of the bushing, and an electrical conductor (3) positioned through the central longitudinal through hole (4) of the sleeve. The conductor comprises a longitudinal outer tube and a longitudinal inner tube (3b), concentrically located within the outer tube (3a), such that a tubular space is formed between the outer tube and the inner tube. A first end of the tubular space is delimited by a tube spacer (10) between the outer tube and the inner tube, and a second end of the tubular space is capped to form an enclosed tubular space. The enclosed tubular space contains a heat transfer fluid whereby a heat-pipe (6) is formed between the outer tube and the inner tube of the conductor. The outer tube extends longitudinally beyond the heat-pipe delimited by the tube spacer at the first end of the tubular space, and the inner tube has a design at said first end such that fluid can pass from between the outer tube and the inner tube into a central longitudinal space (9) formed in the inner tube, without passing longitudinally beyond the extension of the outer tube.

IPC 8 full level

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