

Gapless Core Reactor

Disclosure Number

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Technology Summary

The invention relates to magnetic amplifiers and more specifically to a gapless configuration for such amplifiers. The presence of air gaps in the core causes larger audible noise or humming sound, and complicated manufacturing and assembly. A solution to the above problems has been found in a novel type of reactor that features a gapless core. The new reactor can be used in any application where ferromagnetic core reactors are currently used. It will be smaller and cheaper due to the more effective use of the core material and simpler construction.

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