

## Abstract

## 1. High tension transformer

2.1. In a high tension transformer, in particular, a diode-split transformer, there exists the general requirement that the whole arrangement be dimensioned to be as small as possible for reasons of cost and weight, and likewise, the heat losses in operation of such a high tension transformer should be reduced to such an extent that the heating of the transformer does not extend into a temperature range in which other circuit components of a television receiver would be damaged or affected in an adverse manner. The object of the invention is to reduce the losses of a high tension transformer, but in particular, to minimise the electrical losses.

2.2. In accordance with the invention, the object is achieved for a high tension transformer of the type mentioned hereinabove in that a virtually field-free space is formed between the primary winding and the high tension winding.

2.3. Television receiver, in particular, high line television receivers for the HDTV-standard system.

## 3. Fig. 3

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This Sheet Has Been Replaced

