

**ABSTRACT****DEFLECTION YOKE ARRANGEMENT WITH OVERLAPPING DEFLECTION COILS**

5 A deflection coil system for a CRT has a primary deflection coil (32) and
an auxiliary deflection coil (42). The primary and auxiliary deflection coils are
each operable to produce a respective magnetic field having a first polarity
within a region defined by the coil and an opposite polarity in a second region.
Each of the two coils is arranged such that part of the positive polarity field of
10 each coil and all of its opposite polarity field, are in each case coupled to the
other coil. This cancels the effects of cross coupling of the primary and auxiliary
deflection coils, which are placed in proximity on the same axis, for example on
the neck (26) and envelope of a television display tube (28). At least one of the
primary and auxiliary deflection coils is a saddle shaped deflection coil and has
15 a flat end turn section (36,46), substantially defining the opposite polarity area.
The primary and auxiliary deflection coils are overlapped on the tube over at
least part of this end turn section.

(Figure 1)

This Sheet Has Been Replaced

