

TITLE OF THE INVENTION
TRANSFORMER

ABSTRACT

A transformer includes: a core assembly **1** composed of a pair of E-shaped cores **11**, **12** each having two side leg portions **1a**, **1b** and a central leg portion **1c** therebetween, end surfaces of the central leg portions **1c** and end surfaces of the side leg portions **1a**, **1b** of the E-shaped cores **11**, **12** oppose each other, respectively, and a gap **G** is provided between at least the end surfaces of the central leg portions **1c**; a primary coil **N1** formed by winding round wire around a perimeter of the central leg portion **1c**; and a secondary coil **N2** formed by winding rectangular wire around a perimeter of the central leg portion **1c** by edgewise winding, wherein a space for reducing leakage flux from the gap **G** that acts on the secondary coil **N2** is provided between the secondary coil **N2** and the gap **G**.

(Figure 1)