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(54) Title (EN): POWER SUPPLY DEVICE AND AIR CONDITIONER

(54) Title (FR): DISPOSITIF D'ALIMENTATION ÉLECTRIQUE ET CLIMATISEUR

(54) Title (JA): 電源供給装置および空気調和機

(57) Abstract:

(EN): Provided is a power supply device in which a primary-side circuit and a secondary-side circuit are not insulated and an insulation distance or the like is minimized. This power supply device (1) comprises: a transformer (T) that converts a voltage input from a primary side and outputs the converted voltage to a secondary side; a primary-side circuit (20) connected to the primary side of the transformer (T); and a secondary-side circuit (40) connected to the secondary side of the transformer (T). The ground provided in the primary-side circuit (20) and the ground provided in the secondary-side circuit (40) are electrically connected to each other (common ground terminal (KGT)).

(FR): L'invention concerne un dispositif d'alimentation électrique dans lequel un circuit côté primaire et un circuit côté secondaire ne sont pas isolés et une distance d'isolation ou similaire est minimisée. Ce dispositif d'alimentation électrique (1) comprend : un transformateur (T) qui convertit une tension d'entrée en provenance d'un côté primaire et délivre la tension convertie à un côté secondaire ; un circuit côté primaire (20) connecté au côté primaire du transformateur (T) ; et un circuit côté secondaire (40) connecté au côté secondaire du transformateur (T). La masse disposée dans le circuit côté primaire (20) et la masse disposée dans le circuit côté secondaire (40) sont connectées électriquement l'une à l'autre (borne de masse commune (KGT)).

(JA): 1次側回路と2次側回路とを絶縁せずに、絶縁距離等を省いた電源供給装置を提供する。電源供給装置(1)は、1次側から入力された電圧を変換して2次側へ出力するトランス(T)と、トランス(T)の1次側に接続された1次側回路(20)と、トランス(T)の2次側に接続された2次側回路(40)とを備える。1次側回路(20)に設けられたグラウンドと2次側回路(40)に設けられたグラウンドとは、電氣的に接続されている(共通グラウンド端子(KGT))。

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