

Title (en)

ANTI-COUPLING SOUND STRUCTURE FOR REFRIGERATOR AND REFRIGERATOR

Title (de)

ANTIKUPPLUNGSGERÄUSCHSTRUKTUR FÜR EINEN KÜHLSCHRANK UND KÜHLSCHRANK

Title (fr)

STRUCTURE SONORE ANTI-COUPPLAGE POUR RÉFRIGÉRATEUR ET RÉFRIGÉRATEUR

Publication

**EP 3441702 A4 20190417 (EN)**

Application

**EP 16901558 A 20161230**

Priority

- CN 201610309324 A 20160511
- CN 2016113924 W 20161230

Abstract (en)

[origin: EP3441702A1] An anti-coupling sound structure (100) for a refrigerator and a refrigerator. Said anti-coupling sound structure (100) comprises: a mounting panel (1) for connecting to a refrigerator door body (4) or a refrigerator body (5), the mounting panel (1) being provided with several through holes (11); and a sound body (2) provided on one side of the back face of the mounting panel (1) and separated, by a gap (6), from the back face of the mounting plate (1), the gap (6) being provided therein with an enclosing portion (3). Said anti-coupling sound structure (100) separates the sound body (2) and the mounting panel (1) from each other, such that the refrigerator is less prone to electrostatic coupling in an electromagnetic compatibility experiment, helping to ensure experiment precision and avoiding the impact on sound quality due to the resonance of the sound body (2) in use with the mounting panel (1); moreover, the sound-converging effect of the enclosing portion (3) can improve the directivity of the sound generated by the sound body (2), achieving a better listening effect.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

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- [X] US 2008165998 A1 20080710 - LECLEAR DOUGLAS D [US], et al
- [X] US 2005134473 A1 20050623 - JANG CHAN-KYOO [KR], et al
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- See references of WO 2017193603A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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