

Title (en)
Relay having silencing means

Title (de)
Geräuschreduziertes Relais

Title (fr)
Relais avec dispositifs pour amortir le bruit

Publication
EP 0838829 A2 19980429 (DE)

Application
EP 97117439 A 19971008

Priority
DE 19643642 A 19961022

Abstract (en)
A reduced noise relay including an inner housing (1) from which exit inner connectors (3) through an inner connection face (1), an outer housing (5,6) from which exit outer connectors (7) through an outer connection face (6) opposite the inner connection face. Also included are flexible connection conductors (8) which extend between the respective side-walls of the inner housing and the outer housing and join the inner connectors (3) to each associated outer connector (7). The connection conductors (8) hold the inner housing (1) on all sides spaced from the outer housing and the inter-space between the inner- and the outer-housing is filled with an amorphous, insulating or lagging material (11) with high internal friction. More specifically, the insulating material is a powdery material, or permanently elastic material.

Abstract (de)
Das Relais besitzt ein Innengehäuse (1) und ein Außengehäuse (5,6), wobei Innenanschlüsse (3) mit Außenanschlüssen (7) über Litzen (8) verbunden sind. Der gesamte Zwischenraum zwischen dem Innengehäuse und dem Außengehäuse ist mit einem vorzugsweise pulverförmigen Dämm-Material gefüllt. Dieses Dämm-Material hält das Innengehäuse allseitig im Abstand zum Außengehäuse und verhindert Schwingungsübertragungen aus dem Innengehäuse zum Außengehäuse. <IMAGE>

IPC 1-7
H01H 50/30

IPC 8 full level
H01H 50/02 (2006.01); **H01H 50/30** (2006.01)

CPC (source: EP)
H01H 50/305 (2013.01); **H01H 2009/0077** (2013.01); **H01H 2009/0278** (2013.01)

Cited by
CN113366596A; EP0945882A3; CN106128858A; CN113555255A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0838829 A2 19980429; **EP 0838829 A3 19990203**; DE 19643642 C1 19980520; JP H10134690 A 19980522; KR 19980033002 A 19980725

DOCDB simple family (application)
EP 97117439 A 19971008; DE 19643642 A 19961022; JP 28965697 A 19971022; KR 19970053882 A 19971021