

Title (en)

Relay terminal array with malfunction detection and transmission functions.

Title (de)

Endstufenrelaismatrix mit Fehlererkennungs- und Übertragungsfunktionen.

Title (fr)

Ensemble de relais de sortie avec des fonctions de détection d'erreur et de transmission.

Publication

EP 0623943 A1 19941109 (EN)

Application

EP 94105339 A 19940406

Priority

JP 7844193 A 19930406

Abstract (en)

This invention is a relay terminal which can accurately detect malfunctions of relays. Detection coils are connected in series to relay contacts on load circuits. By detecting the magnetic flux generated in the coils, a current detection circuit, which contains a Hall element, determines if a current is flowing in the load circuits. Detection signals, which indicate the presence or absence of a current, and outputs from the relay coils are processed in a transmission control circuit. A malfunction detection signal indicating whether or not a malfunction has occurred is transmitted to a programmable controller via a driver/receiver circuit. If a malfunction has occurred, display means flash on and off. <IMAGE>

IPC 1-7

H01H 47/00

IPC 8 full level

G01R 15/20 (2006.01); **H01H 47/00** (2006.01)

CPC (source: EP)

H01H 47/002 (2013.01)

Citation (search report)

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