

Title (en)

Antinoise structure.

Title (de)

Schalldämpfende Struktur.

Title (fr)

Structure d'amortissement du bruit.

Publication

EP 0030271 A2 19810617 (EN)

Application

EP 80106663 A 19801030

Priority

IT 2705079 A 19791106

Abstract (en)

Mechanical structure of a serial printer capable of greatly reducing the noise produced during the printing, characterized by a rigid resilient coupling (14, 15) between the mechanical members (6, 7, 16) which produce vibrations during printing (as the platen (16), and the bearing and guiding bars (6, 7) of the printing head carriage) and the metallic frame (2, 3, 5) in order to avoid the vibration transfer to the frame. The platen and the two bearing and guiding bars of the carriage are restrained each other by plastic elements (14, 15) and form a unic relatively rigid member which is fixed in an elastic way the metallic frame through rubber bushes (8, 9, 10, 11). Thus the transfer to the frame of the vibrations produced by the printing head impression elements on the platen and by the printing head carriage on the bearing and guiding bars is greatly attenuated.

IPC 1-7

B41J 29/10

IPC 8 full level

B41J 19/06 (2006.01); **B41J 11/02** (2006.01); **B41J 29/10** (2006.01)

CPC (source: EP)

B41J 19/06 (2013.01); **B41J 29/10** (2013.01)

Cited by

EP1674281A1; EP0431714A3; US4466753A; GB2221654A; GB2221654B; US4556334A; US7438488B2

Designated contracting state (EPC)

CH DE FR GB

DOCDB simple family (publication)

EP 0030271 A2 19810617; **EP 0030271 A3 19810812**; **EP 0030271 B1 19830914**; DE 3064842 D1 19831020; IT 1126317 B 19860521; IT 7927050 A0 19791106; JP S5684984 A 19810710; JP S6345954 B2 19880913

DOCDB simple family (application)

EP 80106663 A 19801030; DE 3064842 T 19801030; IT 2705079 A 19791106; JP 15642180 A 19801106