

Title (en)
Printhead carriage

Title (de)
Druckkopfwagen

Title (fr)
Chariot de tête d'impression

Publication
EP 1676711 B1 20071024 (EN)

Application
EP 05112665 A 20051221

Priority
• EP 04107044 A 20041229
• EP 05112665 A 20051221

Abstract (en)
[origin: EP1676711A1] A printhead carriage comprising a body (10) that is guided and driven for reciprocating movement in a printer, a mounting plate (12) for a printhead assembly, and a suspension structure (14) adjustably connecting the mounting plate (12) to the body (10), the suspension structure (14) comprising a framework of hinge plates (32, 34) having elastic hinges (50; 72) that are formed by portions of the hinge plates where the width thereof is reduced, and at least one adjusting mechanism (36, 40; 38, 42; 44) adapted to adjust the position of the mounting plate (12) by elastically deflecting at least one of the hinges, characterized in that an adjusting unit (20; 24) for at least one degree of freedom of the mounting plate (12) comprises two hinge plates (32, 34) that are connected to a common support point (26; 28; 30) of the mounting plate (12) and are oriented at right angles relative to one another, and an adjusting mechanism (36, 40; 38, 42; 44) adapted to push and/or pull one hinge plate (32) in longitudinal direction thereof, with elastic deflection of at least one hinge of the other hinge plate (34).

IPC 8 full level
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CPC (source: EP)
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