

Title (en)
PRINTER, IN PARTICULAR A MATRIX LINE PRINTER

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Application
EP 87104330 A 19870324

Priority
US 84409286 A 19860326

Abstract (en)
[origin: US4741267A] A weight unbalance shuttle drive for flexure mounted carriages (11) is disclosed. The weight unbalance shuttle drive comprises a pair of motors (49) attached to the flexure mounted carriage (11). Mounted on the shaft of each motor is an unbalancing weight (51). When the motors (49) are energized the unbalancing weights (51) produce carriage drive forces in alternating directions resulting in the carriage (11) being shuttled back and forth. The mass and shape of the unbalancing weights (51) is chosen to produce the desired carriage displacement at the desired system operating frequency. The rotary positions of the unbalance weights (51) is chosen to produce the desired force/displacement amplitude.

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IPC 8 full level
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CPC (source: EP US)
B41J 25/006 (2013.01 - EP US)

Citation (search report)
• [A] US 4227455 A 19801014 - PENNEBAKER WILLIAM B
• [A] US 4349828 A 19820914 - FISCHBECK KENNETH H, et al
• [A] US 4543884 A 19851001 - KIKUCHI HIROSHI [JP], et al
• [A] US 4481880 A 19841113 - KUROSAWA MAKOTO [JP], et al
• [A] US 4278019 A 19810714 - MEIER JOHANN H
• [A] EP 0082329 A2 19830629 - IBM [US]

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