

Title (en)  
WIRE HEAD GUIDING AND DRIVING MECHANISM FOR A WIRE PRINTER

Publication  
**EP 0016995 B1 19840822 (DE)**

Application  
**EP 80101133 A 19800306**

Priority  
CH 296879 A 19790330

Abstract (en)  
[origin: US4303347A] The matrix head (1) of a matrix printer is guided close to the printing site (2) on a round bar (7) by means of profiled rollers (8) absorbing the reactive force during printing and being fixedly mounted at the matrix head (1) and by means of guide rollers (9) absorbing the force of gravity of the matrix head (1) and being resiliently mounted at this head, and is slidingly guided, at the head end facing away from the printing site (2), on a rail (15). A cord drive serves for displacing the matrix head (1), this cord drive comprising a cord (31, 32, 33, 34, 35) guided over a cord pulley (17) at the matrix head (1) and over further cord pulleys (19, 23, 24) and over a driving pulley (26), the ends (29, 30) of this cord being fixedly attached beside the ends of the round bar (7). Thereby the matrix printer can be constructed in a compact and lightweight fashion and can be operated with accuracy even in case of strong vibrations.

IPC 1-7  
**B41J 19/20; B41J 3/12**

IPC 8 full level  
**B41J 2/24** (2006.01); **B41J 19/20** (2006.01); **B41J 29/02** (2006.01)

CPC (source: EP US)  
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