

Title (en)

Hot roller with a built-in motor.

Title (de)

Heizwalze mit eingebautem Motor.

Title (fr)

Rouleau chauffant avec moteur incorporé.

Publication

EP 0589685 A2 19940330 (EN)

Application

EP 93307498 A 19930922

Priority

JP 27772592 A 19920924

Abstract (en)

A hot roller with a built-in motor in which the whole length thereof is shortened and the heat efficiency is improved. In the hot roller, a heater coil (10) is fixedly fitted onto a surface of a motor outer housing, and a motor rotor shaft (7) of the motor is connected to a hot roller rotary shaft (12) of a hot roller rotor (11, 11A, 11B) formed so as to cover the heater coil (10). In this case, it is preferable that a ceramic bearing is used as a bearing (8a, 8b) of the motor rotor shaft (7) so as to perform oil-mist lubrication, and that heat pipes (15) are provided in the hot roller rotor (11, 11A, 11B). <IMAGE>

IPC 1-7

D02J 13/00

IPC 8 full level

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