

Title (en)

Yarn heating device

Title (de)

Garnerwärmungsvorrichtung

Title (fr)

Dispositif de chauffage de fil

Publication

**EP 1849894 B1 20100922 (EN)**

Application

**EP 07007132 A 20070404**

Priority

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Abstract (en)

[origin: EP1849894A2] An object of the present invention is to provide a structure of a yarn heating device suitable for a high-speed heat processing of a yarn. The yarn heating device (5) comprises rollers (6a and 6b) which a yarn (2) is wound around, induction heating coils (22 and 22) as a heating means, and electric motors (21 and 21) for driving to rotate the rollers (6a and 6b). Each of the rollers (6a and 6b) includes a cylindrical portion (31) which the yarn (2) is wound around and a flange portion (32) for connecting the cylindrical portion (31) with an output shaft (23) of the electric motor (21). The induction heating coil (22) is disposed outside each of the rollers (6a and 6b), and each of the rollers (6a and 6b) is heated by the induction heating coil (22) to heat the yarn (2).

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