

Title (en)

POSITIVE TEMPERATURE COEFFICIENT THERMISTOR HEATING PAD

Publication

EP 0320862 A3 19900613 (EN)

Application

EP 88120760 A 19881213

Priority

US 13247987 A 19871214

Abstract (en)

[origin: EP0320862A2] A heating pad using positive temperature coefficient thermistors as a primary heat source with the thermistors being electrically and mechanically connected to electrically conductive sheets, preferably woven, with dielectric material preferably separating the conductive sheets. A covering of dielectric material preferably is used to electrically separate the heating pad from the environment. The heating pad construction uses the conductive sheets as the primary heat transfer means from the thermistors, resulting in a relatively even heat distribution over the heating pad. The heating pad is preferably made of materials that are flexible so as to enable the pad to flex to adapt to items of different shapes to be heated by the pad.

IPC 1-7

H05B 3/14; H05B 3/34

IPC 8 full level

H05B 3/00 (2006.01); **H05B 3/14** (2006.01); **H05B 3/34** (2006.01); **H05B 3/84** (2006.01)

CPC (source: EP)

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H05B 2203/017 (2013.01); **H05B 2203/02** (2013.01)

Citation (search report)

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AU 611237 B2 19910606; CA 1298338 C 19920331; DE 3853056 D1 19950323; DE 3853056 T2 19950727; IN 171935 B 19930213;
JP H025390 A 19900110; MX 170020 B 19930804

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