

Title (en)

Fast and low temperature cured polyimide fuser belt

Title (de)

Polyimid-Fixiergürtel, der schnell und bei geringer Temperatur gehärtet wird

Title (fr)

Ceinture à fusion en polyimide durci à basse température et rapidement

Publication

EP 2309338 A1 20110413 (EN)

Application

EP 09171837 A 20090930

Priority

EP 09171837 A 20090930

Abstract (en)

A belt material and methods for making and using the belt material are described. The belt material may be a fast and low-temperature cured polyimide belt that includes a plurality of thermally-conductive species dispersed in a polyimide resin. The belt material may include one or more layers formed over the fast and low-temperature cured polyimide belt substrate that includes a plurality of thermally-conductive species dispersed in the polyimide resin. For example, the fast and low-temperature cured polyimide belt or belt substrate can be cured at a temperature of about 300 °C or lower for a time length of less than about one hour. The belt material is suitable for use in an electrostatographic printing process as a fuser belt, a fixing belt, a pressure belt, and/or a release agent donor belt.

IPC 8 full level

G03G 15/20 (2006.01)

CPC (source: EP)

G03G 15/2057 (2013.01); **G03G 2215/2035** (2013.01)

Citation (search report)

- [XY] WO 2008120787 A1 20081009 - UBE INDUSTRIES [JP], et al & EP 2141187 A1 20100106 - UBE INDUSTRIES [JP]
- [YA] JP H1112500 A 19990119 - HITACHI CHEMICAL CO LTD
- [Y] JP 2005258432 A 20050922 - IST KK

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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