

Title (en)

Device for fluidifying a fusible glue.

Title (de)

Vorrichtung zur Verflüssigung eines schmelzbaren Klebers.

Title (fr)

Dispositif pour fluidifier une colle fusible.

Publication

**EP 0055350 A2 19820707 (DE)**

Application

**EP 81108658 A 19811021**

Priority

- DE 3049343 A 19801229
- DE 3115047 A 19810414

Abstract (en)

[origin: US4493972A] An apparatus for liquifying a rod of binding by application of heat includes a die-cast aluminum heating member having an elongated conical first channel decreasing in diameter from an inlet adapted to receive a rod of liquifiable bonding material through an elastic funnel surrounding the inlet to an outlet for discharging liquified material through a one-way valve. An electric heater is disposed in a second channel in said member parallel to the first channel and includes an elongated electrically insulating and elastic housing defining a cylindrical cartridge receiving at least one flat PTC resistor disposed between at least a pair of pressure bodies in the housing on opposite sides of the least one PTC resistor. At least one elongated, curved leaf spring is disposed between one of the pressure bodies and at least one PTC resistor for applying pressure to the bodies and the at least one PTC resistor to maintain constant contact pressure therebetween even under thermal expansion and contraction.

Abstract (de)

Eine Heißklebepistole arbeitet mit einem Heizwiderstand (23, 24) mit positivem Temperaturkoeffizienten. Dabei kann eine Widerstandspatrone (43) aus einer vorzugsweise elastisch nachgiebigen, hitzebeständigen Hülse und einem PTC-Massewiderstand (44, 45) vorgesehen sein, der zwischen mindestens zwei Andruckkörpern liegt und dem zusätzlich eine Federstreifenanordnung zugeordnet ist. Diese bewirkt einen von Abmessungsänderungen unabhängigen Preßsitz mit gleichbleibenden thermischen und elektrischen Kontakteigenschaften.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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**EP 81108658 A 19811021**; AR 28797281 A 19811228; AU 7912381 A 19811224; US 33345981 A 19811222