

Title (en)  
DEVICE FOR FLUIDIFYING A FUSIBLE GLUE

Publication  
**EP 0055350 A3 19820908 (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.

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**B05C 17/00**; **B05C 5/04**

IPC 8 full level  
**B05C 17/005** (2006.01)

CPC (source: EP US)  
**B05C 17/00546** (2013.01 - EP US)

Citation (search report)  
• DE 2933509 A1 19800306 - SOFRAGRAF  
• DE 2746791 A1 19780427 - USM CORP  
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• US 4059204 A 19771122 - DUNCAN ROBERT JOHN, et al  
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• FR 2155953 A1 19730525 - USM CORP  
• DE 2854230 B1 19800327 - BRAB HUBERT ING  
• GB 2028687 A 19800312 - SOFRAGRAF  
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• DE 2805427 A1 19780824 - PHILIPS NV

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**EP 0055350 A2 19820707**; **EP 0055350 A3 19820908**; AR 227805 A1 19821215; AU 7912381 A 19820708; US 4493972 A 19850115

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