

Title (en)
Microwaveable adhesive dispenser and microwaveable adhesive charge therefor

Title (de)
Durch Mikrowellen aufheizbare Spender für Klebemittel und sein Klebemittelvorrat

Title (fr)
Distributeur d'adhésif pouvant être chauffé par micro-ondes et sa réserve d'adhésif

Publication
EP 0696481 A1 19960214 (EN)

Application
EP 95305541 A 19950809

Priority

- US 28817294 A 19940810
- US 28797894 A 19940810
- US 28817494 A 19940810

Abstract (en)
A dispensing assembly (10) for heating and subsequent dispensing of a microwaveable adhesive material (22), comprising: a dispenser housing (12) having a microwaveable adhesive charge-receiving cavity therein; a microwave susceptor member (44) in the cavity, constructed and arranged to receive microwave energy when the dispensing assembly is exposed to microwave radiation and to responsively generate heat; and a microwaveable adhesive charge (20) of a size and shape for insertion into and retention in the cavity including said microwave receptor. The housing may comprise a seamless, resiliently deformable, unitary thermally insulating sleeve, and the microwaveable adhesive charge advantageously is devoid of susceptor materials and susceptor structure. The adhesive charge article may comprise a container (24) having disposed therein a solid body of hot melt adhesive material having a cross-sectional shape differing from the cross-sectional shape of the container in which the hot melt adhesive material is disposed for microwave heating. <MATH>

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B05C 17/00; **B65D 81/34**

IPC 8 full level
B43M 11/00 (2006.01); **B05C 5/04** (2006.01); **B05C 17/005** (2006.01); **B65D 81/34** (2006.01)

CPC (source: EP)
B05C 17/00546 (2013.01); **B65D 81/3461** (2013.01)

Citation (applicant)

- US 9108661 W 19911119
- US 9205604 W 19920702
- US 5188256 A 19930223 - NOTTINGHAM JOHN R [US], et al
- US 20085294 A 19940222

Citation (search report)

- [PX] WO 9419917 A1 19940901 - LOCTITE CORP [US], et al
- [PX] WO 9419916 A1 19940901 - NOTTINGHAM SPIRK DESIGN ASS [US]
- [DA] WO 9301247 A1 19930121 - MINNESOTA MINING & MFG [US]
- [DA] WO 9209503 A1 19920611 - MINNESOTA MINING & MFG [US]
- [A] US 5188256 A 19930223 - NOTTINGHAM JOHN R [US], et al
- [A] EP 0223253 A2 19870527 - TOYO ALUMINIUM KK [JP]

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FR2865477A1; US11685079B2; WO2019015840A1

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