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(12) **United States Patent**  
**Cameron et al.**

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(54) **METHOD FOR MAKING HOT MELT ADHESIVE PELLET COMPRISING CONTINUOUS COATING OF PELLETIZING AID**

(51) **Int. Cl.<sup>7</sup>** ..... **B05D 5/10**  
(52) **U.S. Cl.** ..... **427/208.2; 264/130; 264/131; 427/222**  
(58) **Field of Search** ..... **264/130, 131; 427/208.2, 222**

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(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
5,695,881 \* 12/1997 Henderson et al. .

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\* cited by examiner

(\* ) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(57) **ABSTRACT**

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This invention relates to a hot melt adhesive composition in pellet form. The hot melt adhesive composition is pressure sensitive, having a storage modulus,  $G'$ , at 25° C., of less than about  $5 \times 10^6$  dynes/cm<sup>2</sup>. The pellets are coated with a pelletizing aid on the surface at a concentration preferably ranging from about 1 wt-% to about 30 wt-%. The pelletizing aid is a hot melt adhesive component or a material which does not substantially adversely affect the adhesive properties. The pellets are free-flowing and have a substantially tack-free surface

**Related U.S. Application Data**

(60) Division of application No. 09/168,830, filed on Oct. 8, 1998, now Pat. No. 6,120,899, which is a continuation-in-part of application No. 09/090,473, filed on Jun. 4, 1998, now abandoned, which is a continuation-in-part of application No. 08/751,828, filed on Nov. 18, 1996, now Pat. No. 5,869,555.

**19 Claims, 4 Drawing Sheets**

