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(54) Title: MEDICAMENT CARRIER WITH AGGLOMERATED LARGE MEDICAMENT PARTICLES AND RELATED METHOD OF MANUFACTURE THEREOF

(57) Abstract

A medicament carrier (10) having a first and a second spaced apart screen (12, 14) each of which has surfaces (12B, 14B) defining a plurality of interstices (12A, 14A). The carrier (10) contains powdered agglomerated medicament particles (SM) loaded onto the first screen surface (12B) such that the interstices (12A) of the first screen (12) are at least partially open and free of the agglomerated medicament particles (SM). When an air stream is provided to the carrier to entrain the agglomerated powdered medicament particles (SM) and move them from the first screen (12) through the interstices (14A) of the second screen (14), the agglomerated powdered medicament particles (SM) are sheared by air flow gradients created by the first and second screens (12, 14) and by contact with the surface (14B) of the second screen (14) to create particles of respirable particle size range. The carrier (10) can be used in a dry powder inhalator device.

