

(12) **United States Patent**  
**Audette**

(1 o) Patent No.: **US 7,014,809 B2**  
 (45) Date of Patent: **Mar. 21, 2006**

(54) PROCESS FOR MAKING A REUSABLE SOFT  
 BAG FOR USE IN INFUSION PROCESSES  
 FOR MAKING PLASTIC PARTS

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(\*) 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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(21) Appl. No.: 10/902,983 (22)

Filed: Jul. 30, 2004 (65) Prior

Publication Data

US 2006/0022380 A1 Feb. 2, 2006

(51) Int. Cl.

B29C 41108 (2006.01)

(52) U.S. Cl. .... 264/257; 264/309; 264/324;  
 264/510; 264/511; 425/388 (58) Field of  
 Classification Search ..... 264/257-259, 264/299-301,

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(57) ABSTRACT

An improvement to a process for making a reusable soft flexible bag for use in infusion processes for making plastic parts, wherein a reusable polymer bag is formed by spraying or swirl spraying one or multiple layers or coats of a polymer made from one or plural component polymer material, to create a desired configuration of the bag. Successive coats can be applied without waiting for the previous layer to be cured. The bag once completely cured can be removed from the original pattern from which it was configured and placed into the resin infusion process on the same opposing mold for multiple uses before exhausting the life of the bag. Resin ports and vacuum ports and where necessary molding in handles can be included or formed during the spray process to allow for easy removal from one part and transference to a new part to be molded.

3 Claims, 2 Drawing Sheets

