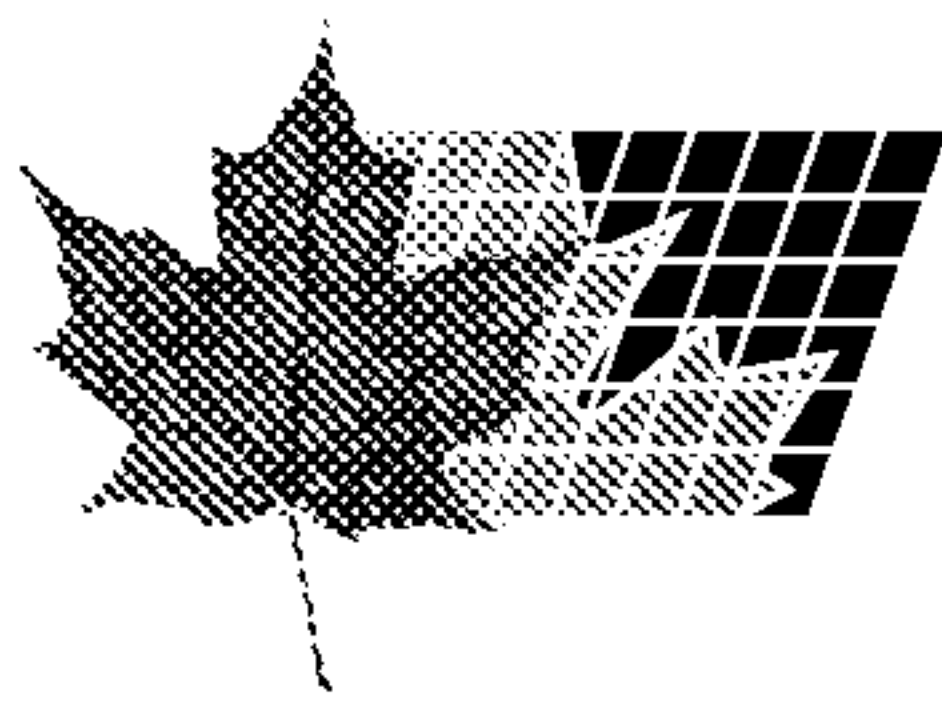




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(54) **PISTOLET VAPORISATEUR A MELANGE EXTERNE DES
COMPOSANTS**

(54) **PLURAL COMPONENT EXTERNAL MIX SPRAY GUN AND
METHOD**

(57) A plural component external mix air-assisted/airless spray gun has an airless tip from which resin is emitted in a fan-shaped spray and an injector nozzle for directing an unatomized stream of catalyst into the resin adjacent to the airless tip. The catalyst injector nozzle is built into an ear of an air cap and the air cap is keyed to the airless tip to guarantee the positional relationship between the injector nozzle and the airless tip. Injecting a stream of unatomized catalyst into the resin stream immediately downstream from the airless tip provides thorough mixing of the catalyst into the resin, increased utilization of the catalyst and decreased emissions of catalyst fumes.



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PLURAL COMPONENT
EXTERNAL MIX SPRAY GUN AND METHOD

Abstract of the Disclosure

A plural component external mix air-assisted/airless spray gun has an airless tip from which resin is emitted in a fan-shaped spray and an injector nozzle for directing an unatomized stream of catalyst into the resin adjacent to the airless tip. The catalyst injector nozzle is built into an ear of an air cap and the air cap is keyed to the airless tip to guarantee the positional relationship between the injector nozzle and the airless tip. Injecting a stream of unatomized catalyst into the resin stream immediately downstream from the airless tip provides thorough mixing of the catalyst into the resin, increased utilization of the catalyst and decreased emissions of catalyst fumes.

