

Title (en)

Multiple outlet powder pickup system for thermal spray guns.

Title (de)

Pulveraufnahmesystem mit mehreren Auslässen für thermische Spritzpistolen.

Title (fr)

Système d'alimentation en poudre à plusieurs sorties pour pistolet de pulvérisation thermique.

Publication

EP 0253177 A2 19880120 (EN)

Application

EP 87109249 A 19870626

Priority

US 88415986 A 19860710

Abstract (en)

In carrying out the invention, there may be provided a powder pick-up system for thermal spray guns comprising an enclosed hopper for a powder to be thermally sprayed in loose particulate form, a feed gas conduit adapted to discharge a regulated amount of feed gas under pressure into the hopper, a unitary carrier conduit structure powder pickup device having a single carrier gas inlet and a plenum connected to said inlet with a plurality of separate carrier gas bores connected to receive gas from said plenum, separate outlet connections from each of said bores for separate delivery of gas-entrained powder to at least one spray gun, said conduit structure including at least one opening through a wall thereof from each of said bores into the interior of said hopper for picking up powder therefrom.

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