

STEAM PRECIPITATION JET

ABSTRACT OF THE DISCLOSURE

A precipitation jet includes a nozzle having an inlet for receiving liquid resin solution, a
5 conical tip, and a plurality of circumferentially spaced apart outlets extending through the nozzle tip for discharging the resin solution. A tubular receiver is disposed coaxially with the nozzle tip and is spaced axially therefrom. The receiver includes a
10 frustoconical impingement surface spaced axially from the nozzle tip to define therewith an annular flow channel having at opposite ends thereof a channel inlet for receiving steam and a channel outlet for discharging an atomized spray of the steam and resin
15 solution for precipitating resin powder from the spray.

FIGURE 1