

ABSTRACT OF THE DISCLOSURE

FAN JET NOZZLE FOR USE WITH ULTRA HIGH PRESSURE LIQUID PHASE
CLEANING MEDIA FOR USE IN DEFLASHING APPARATUS

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Disclosed herein is a fan jet nozzle for use with an
ultra high pressure liquid-phase cleaning media, which is
used as an essential component of a deflashing apparatus
for removing flashings during the manufacture of
10 semiconductors, and the like. The nozzle comprises a
nozzle tip, which is made of a super hard material such as
diamond, and is secured inside a nozzle holder through
sintering. Upper and lower nozzle bores above and beneath
the nozzle tip are processed to converge and communicate
15 with each other inside the nozzle tip, resulting in a center
nozzle hole having an elliptical shape. One of the upper
and lower nozzle bores is processed into a circular cone
shape, and the other one of the upper and lower nozzle
bores is processed to have an arched longitudinal sectional
20 shape and a cross sectional shape wherein its width
increases toward a center thereof and decreases toward both
sides thereof.

Fig. 1

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