

ABSTRACT OF THE DISCLOSURE (FIG. 2)

5 "METHOD FOR MANUFACTURING SUBSTRATE FOR
DISCRETE TRACK RECORDING MEDIA AND METHOD FOR
MANUFACTURING DISCRETE TRACK RECORDING MEDIA"

According to one embodiment, a method for
manufacturing a substrate for a discrete track
recording media, the method includes forming an
imprint resist layer on a substrate, imprinting, on
10 the imprint resist layer, a stamper formed with
patterns of protrusions and recesses corresponding to
recording track zones and servo zones to transfer the
patterns of protrusions and recesses to the imprint
resist layer, removing the stamper from the imprint
15 resist layer, and diffusing liquefied CO₂ in a process
chamber set at a pressure of 2 to 5 atm, diffusing
liquefied H₂O in the process chamber set at a pressure
of 0.01 to 1 atm, or diffusing a reactive gas selected
from a group consisting of liquefied CF₄, CHF₃, SF₆,
20 and C₂F₆ in the process chamber set at an arbitrary
pressure, to jet spray the liquefied gas onto a
surface of the substrate.



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