

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0230870 A1 HASUMI et al.

Jul. 20, 2023 (43) Pub. Date:

(54) WAFER PROCESSING SHEET AND WAFER PROCESSING METHOD

(71) Applicant: Denka Company Limited, Chuo-ku, Tokyo (JP)

(72) Inventors: Mizuki HASUMI, Tokyo (JP); Tomoya TSUKUI, Tokyo (JP)

(73) Assignee: Denka Company Limited, Chuo-ku, Tokyo (JP)

(21)Appl. No.: 17/801,649

PCT Filed: Mar. 26, 2021

PCT/JP2021/012873 (86) PCT No.:

§ 371 (c)(1),

(2) Date: Aug. 23, 2022

(30)Foreign Application Priority Data

Apr. 1, 2020 (JP) 2020-066180

Publication Classification

(51) Int. Cl.

H01L 21/683 (2006.01)H01L 21/304 (2006.01)

H01L 23/00 (2006.01)

(52) U.S. Cl. CPC H01L 21/6836 (2013.01); H01L 21/304 (2013.01); **H01L 24/11** (2013.01); H01L

2221/68327 (2013.01); H01L 2224/11009 (2013.01)

(57)ABSTRACT

A sheet for processing a wafer, including a substrate sheet that comes into contact with a main surface of the wafer, wherein the substrate sheet has an exponential coefficient in an exponential trendline for storage modulus E'₃₀₋₈₀ at 30° C. to 80° C. of -0.035 to -0.070.

