

Title (en)

METHOD OF PROCESSING, ESPECIALLY PREDIVIDING, A TWO-DIMENSIONAL SUBSTRATE

Title (de)

VERFAHREN ZUM BEARBEITEN, INSBESONDERE ZUM VORTRENNEN, EINES FLAECHIGEN SUBSTRATS

Title (fr)

PROCÉDÉ DE TRAITEMENT, EN PARTICULIER DE PRÉDIVISION, D'UN SUBSTRAT BIDIMENSIONNEL

Publication

EP 4263449 A1 20231025 (DE)

Application

EP 21807008 A 20211104

Priority

- DE 102020134451 A 20201221
- EP 2021080593 W 20211104

Abstract (en)

[origin: WO2022135779A1] The invention relates to a method of processing, especially of predividing, a two-dimensional substrate, especially a glass substrate, wherein the substrate is placed onto a substrate carrier and subjected to a force acting in the direction of the substrate carrier in the region of an action zone, but is not subjected to the force acting in the direction of the substrate carrier in the region of a compensation zone, and wherein the substrate is preferably predivided while the substrate is being subjected to the force acting in the direction of the substrate carrier in the region of the action zone, and to a substrate carrier for a two-dimensional substrate to be placed on, to a processing system for processing the substrate placed on the substrate carrier, and to a substrate producible by the method.

IPC 8 full level

C03B 33/03 (2006.01); **B65G 49/06** (2006.01); **C03B 33/02** (2006.01); **C03B 33/023** (2006.01)

CPC (source: EP KR US)

B23K 26/36 (2013.01 - US); **B65G 49/061** (2013.01 - EP KR); **C03B 33/0222** (2013.01 - KR); **C03B 33/0235** (2013.01 - EP KR); **C03B 33/03** (2013.01 - EP KR); **C03B 33/033** (2013.01 - KR); **B23K 2103/54** (2018.07 - US); **B65G 2249/04** (2013.01 - EP KR); **B65G 2249/045** (2013.01 - EP KR); **C03B 33/0222** (2013.01 - EP); **Y02P 40/57** (2015.11 - KR)

Citation (search report)

See references of WO 2022135779A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022135779 A1 20220630; CN 116670053 A 20230829; DE 102020134451 A1 20220623; EP 4263449 A1 20231025; JP 2024502259 A 20240118; KR 20230124007 A 20230824; TW 202237544 A 20221001; US 2023330777 A1 20231019

DOCDB simple family (application)

EP 2021080593 W 20211104; CN 202180086237 A 20211104; DE 102020134451 A 20201221; EP 21807008 A 20211104; JP 2023537699 A 20211104; KR 20237023764 A 20211104; TW 110140238 A 20211029; US 202318338636 A 20230621