

Title (en)

METHOD AND MACHINE FOR MANUFACTURING A HOLLOW ITEM MADE OF GLASS

Title (de)

VERFAHREN UND MASCHINE ZUR HERSTELLUNG EINES HOHLEN ARTIKELS AUS GLAS

Title (fr)

PROCEDE ET MACHINE DE FABRICATION D'UN ARTICLE CREUX EN VERRE

Publication

EP 4263448 A1 20231025 (FR)

Application

EP 21852034 A 20211215

Priority

- FR 2013574 A 20201217
- FR 2021052345 W 20211215

Abstract (en)

[origin: WO2022129789A1] Method for manufacturing a hollow item made of glass, involving receiving a glass item associated with a moil (cap) at a temperature in excess of 100°C, setting the glass item in motion in a direction of conveying and in rotation on itself about an axis of the glass item, moving mobile equipment at a substantially constant distance from the glass item, identifying a relative position of the mobile equipment with respect to an edge of the glass item, regulating the distance between the mobile equipment and an edge of the glass item as the glass item is rotating and as the mobile equipment and the glass item are jointly moving along, firing a laser beam from optics supported by the mobile equipment toward said edge of the glass item in order to make holes and to part the glass item from the moil.

IPC 8 full level

C03B 33/02 (2006.01); **B23K 26/53** (2014.01); **C03B 33/06** (2006.01)

CPC (source: EP US)

B23K 26/0006 (2013.01 - EP US); **B23K 26/0624** (2015.10 - EP US); **B23K 26/0823** (2013.01 - EP US); **B23K 26/382** (2015.10 - EP); **B23K 26/402** (2013.01 - EP US); **B23K 26/53** (2015.10 - EP); **C03B 33/0222** (2013.01 - EP US); **C03B 33/06** (2013.01 - EP US); **B23K 2101/04** (2018.08 - EP); **B23K 2103/54** (2018.08 - EP US)

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

DOCDB simple family (publication)

WO 2022129789 A1 20220623; CN 116615303 A 20230818; EP 4263448 A1 20231025; FR 3118025 A3 20220624; FR 3118025 B3 20221209; JP 2023554073 A 20231226; MX 2023007294 A 20230704; US 2024042543 A1 20240208

DOCDB simple family (application)

FR 2021052345 W 20211215; CN 202180085084 A 20211215; EP 21852034 A 20211215; FR 2013574 A 20201217; JP 2023536821 A 20211215; MX 2023007294 A 20211215; US 202118267394 A 20211215