

Title (en)

SET OF DISCS FOR GRINDING THE EDGES OF GLASS PLATES

Title (de)

SET AUS PLATTEN ZUM SCHLEIFEN DER KANTEN VON GLASPLATTEN

Title (fr)

ENSEMBLE DE DISQUES DE MEULAGE DES BORDS DE PLAQUES DE VERRE

Publication

EP 3581331 A1 20191218 (EN)

Application

EP 18460034 A 20180613

Priority

EP 18460034 A 20180613

Abstract (en)

A set of discs for grinding the edges of a glass plate (5) has the form of round grinding discs, where in a set of diamond discs individual discs are provided in pairs and in each pair of the discs, each of the two discs cooperates with the opposite one of the two parallel edges of the glass plate (5), carried between said discs, where in the order of carrying the glass plate (5), the discs grinding the surfaces of the side edges of the glass plate comprise segment peripheral oscillating discs (1), discs chamfering the side edges of the glass plate (5) comprise cup discs (2.1,2.2), where the set of diamond discs comprises in the order of carrying the glass plate (5) to the set of discs: one pair of the segment peripheral oscillating discs (1) with an angle of cooperation of 0° with two surfaces of the side surface (5.1,5.2) of the plate (5), one pair of the rough cup discs (2.1) for chamfering both bottom edges of the glass plate (5), and one pair of the rough cup discs (2.2) for chamfering both upper edges of the glass plate (5). The set also comprises one pair of rough peripheral profile discs (3.1) for the rough profiling of the side surfaces (5.1,5.2) of the plate (5), one pair of finishing profile discs (3.2) for the finishing profiling of the side surfaces (5.1,5.2) of the plate (5), one pair of rough peripheral polishing discs (4.1) for the rough polishing of the side surfaces, one pair of finishing peripheral polishing discs (4.2) for the finishing polishing of the side surfaces (5.1,5.2) of the glass plate (5).

IPC 8 full level

B24B 9/10 (2006.01)

CPC (source: EP)

B24B 9/102 (2013.01)

Citation (applicant)

- EP 0547995 A1 19930623 - SISTEMAS ELECTRO MECANICOS S A [ES]
- EP 1468784 A2 20041020 - FORVET S R L [IT]
- EP 1060833 A1 20001220 - CORNING INC [US]
- EP 2853343 A2 20150401 - TECNEMA TECHNOLOGY S R L [IT]
- EP 3012066 A1 20160427 - BIESSE SPA [IT]
- WO 2011142159 A1 20111117 - DAITO ELECTRON CO LTD [JP], et al
- WO 2013065490 A1 20130510 - ASAHI GLASS CO LTD [JP]
- WO 2013072845 A1 20130523 - COMANDULLI COSTRUZIONI MECCANICHE S R L [IT]
- WO 2013100126 A1 20130704 - NIPPON ELECTRIC GLASS CO [JP]
- US 6416382 B1 20020709 - BAVELLONI FRANCO [IT]
- GB 2261433 A 19930519 - KABUSHIKIGAISSYA FUKUYAMATRKKOU [JP]

Citation (search report)

- [Y] WO 2009034588 A1 20090319 - FORVET S R L [IT], et al
- [Y] WO 2014035946 A1 20140306 - CORNING INC [US], et al
- [YD] EP 3012066 A1 20160427 - BIESSE SPA [IT]
- [Y] WO 2007091141 A2 20070816 - SANTI GABRIELE [IT]
- [Y] EP 1607177 A1 20051221 - SANKYO DIAMOND IND CO LTD [JP], et al

Cited by

CN114406841A

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

DOCDB simple family (publication)

EP 3581331 A1 20191218; EP 3581331 B1 20220720

DOCDB simple family (application)

EP 18460034 A 20180613