

Title (en)

METHOD AND DEVICE FOR OPTIMISING A PLAN FOR CUTTING BY GUILLOTINE OF PIECES OF GLASS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERUNG EINES PLANS ZUM SCHLAGSCHNEIDEN VON GLASSTÜCKEN

Title (fr)

PROCEDE ET DISPOSITIF D'OPTIMISATION D'UN PLAN DE DECOUPE PAR GUILLOTINE DE PIECES DE VERRE

Publication

EP 3510502 A1 20190717 (FR)

Application

EP 17771817 A 20170907

Priority

- FR 1658315 A 20160907
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Abstract (en)

[origin: WO2018046861A1] This method is implemented by computer, making it possible to determine an optimised plan for cutting, by guillotine, a batch of rectangular pieces of glass in at least one glass plate. The pieces are intended, after cutting, to be stacked on at least one stand, the pieces of a stand being placed on the plates according to a predetermined sequence for each stand. The method comprises: - a step (E5) of defining cutting constraints and positioning constraints of said pieces and an optimisation criterion; - creating (E10, E35) a tree comprising a root, leaves each representing a complete cutting plan making it possible to cut all the pieces of said batch, each other node of the tree representing a partial cutting plan, the cutting plan associated with a node of the tree being obtained (E35) by adding to the partial cutting plan associated with the parent node of this node, while respecting said constraints, the next piece of a so-called stand determined according to the predetermined sequence of this stand; and - a step (E100) of selecting a complete cutting plan associated with a leaf of the tree as a function of said optimisation criterion.

IPC 8 full level

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CPC (source: EP KR RU US)

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