

Title (en)

AUTOMATIC ALIGNMENT APPARATUS AND METHOD

Title (de)

AUTOMATISCHE AUSRICHTUNGSVORRICHTUNG UND VERFAHREN

Title (fr)

APPAREIL ET PROCEDE D'ALIGNEMENT AUTOMATIQUE

Publication

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Application

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Abstract (en)

[origin: GB2384765A] An automatic aligning apparatus comprises conveyance means 1, article 4 position sensing means 9 and alignment means 7a, 7b, 7c, 7d, with associated actuating 8a, 8b and control means 14, mounted on a moveable carriage 6 such that the article 4 is aligned as the carriage 6 and article move together along a production line. Also disclosed is a method associated with the aforementioned apparatus in which the article 4 is aligned as previously described. The article 4 may be a substantially flat article 4 such as a generally rectangular or square sandwich 4 which, once a diagonal of which has been aligned with the direction of travel, may be cut along its diagonal by a blade 5 on the same production line. Alignment may be seen in the transition from fig.3a to fig.3b. A front pair of the alignment means 7a, 7c abut the article 4, a rear pair of the alignment means 7b, 7d moving inwards relative to the direction of travel of the article 4 to align the article 4. The sensing means 9 may be a photoelectric sensor 9. The actuators 8a, 8b may be pneumatic rams 8a, 8b. The apparatus may align and cut a stack of articles 4 at once.

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IPC 8 full level

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