

Title (en)

PROCESS FOR ESTABLISHING THE APPARENT DENSITY OVER THE THICKNESS OF A BOARD.

Title (de)

VORRICHTUNG ZUR ERSTELLUNG EINES ROHDICHTEPROFILS ÜBER DIE DICKE EINER PLATTE.

Title (fr)

DISPOSITIF D'ETABLISSEMENT DU PROFIL DE LA MASSE VOLUMIQUE APPARENTE DANS LE SENS DE L'EPAISSEUR D'UN PANNEAU.

Publication

**EP 0650592 A1 19950503 (DE)**

Application

**EP 94916230 A 19940513**

Priority

- DE 4315988 A 19930513
- EP 9401540 W 19940513

Abstract (en)

[origin: WO9427138A1] A device (1) has radiation sources (5, 15, 21) arranged one after the other in the direction of transport (4) of a board-shaped workpiece (3). The sources emit radiation (6, 13, 14) of increasing energy towards a target spot (7, 16, 22) of the workpiece (3). The radiation consequently penetrates down to increasing depths (8, 17, 23) of the thickness (2) of the workpiece (3). The corresponding backscattered radiation (9, 18, 24) is sensed by detectors (10, 19, 25) and converted into electric signals which are supplied to a device (12) for establishing the apparent density profile.

IPC 1-7

**G01N 23/203**; G01N 22/00; G01N 29/10

IPC 8 full level

**G01N 9/24** (2006.01); **G01N 23/16** (2006.01)

CPC (source: EP US)

**G01N 9/24** (2013.01 - EP); **G01N 23/16** (2013.01 - EP US); **G01N 2291/02818** (2013.01 - EP); **G01N 2291/044** (2013.01 - EP)

Citation (search report)

See references of WO 9427138A1

Designated contracting state (EPC)

AT DE DK FR GB IT

DOCDB simple family (publication)

**DE 4315988 A1 19941124**; **DE 4315988 C2 19970821**; EP 0650592 A1 19950503; WO 9427138 A1 19941124

DOCDB simple family (application)

**DE 4315988 A 19930513**; EP 9401540 W 19940513; EP 94916230 A 19940513