

Title (en)

SOLAR CELL PROCESSING SYSTEM, CONVEYOR BELT SYSTEM, SOLAR CELL PRODUCTION INSTALLATION AND METHOD

Title (de)

SOLARZELLENVERARBEITUNGSSYSTEM, FÖRDERBANDSYSTEM, SOLARZELLENFERTIGUNGSANLAGE UND VERFAHREN

Title (fr)

SYSTÈME DE TRAITEMENT DE CELLULES SOLAIRES, SYSTÈME DE BANDE TRANSPORTEUSE, INSTALLATION DE PRODUCTION DE CELLULES SOLAIRES ET PROCÉDÉ

Publication

EP 3108508 A1 20161228 (EN)

Application

EP 14705372 A 20140220

Priority

EP 2014053352 W 20140220

Abstract (en)

[origin: WO2015124191A1] A processing system for producing solar cells is provided. The processing system includes a conveyor belt system. The conveyor belt system includes a conveyor belt for transporting a solar cell wafer. Furthermore, the processing system includes a laser unit configured to direct a laser beam onto the solar cell wafer during transportation of the solar cell wafer by the conveyor belt. Furthermore, a conveyor belt system for use in the production of solar cells is provided that includes a support surface with several openings in the support surface; a conveyor belt with several openings in the conveyor belt; and a first underpressure circuit connected to at least a part of the multitude of openings in the support surface. Furthermore, a method for producing solar cells is provided. The conveyor belt system includes transporting a solar cell wafer; and, during transporting, directing a laser beam to the solar cell wafer.

IPC 8 full level

H01L 21/677 (2006.01); **H01L 31/18** (2006.01)

CPC (source: EP)

H01L 21/6776 (2013.01); **H01L 21/6838** (2013.01); **H01L 31/1876** (2013.01); **Y02E 10/50** (2013.01); **Y02P 70/50** (2015.11)

Citation (search report)

See references of WO 2015124191A1

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)

WO 2015124191 A1 20150827; CN 106062974 A 20161026; EP 3108508 A1 20161228; TW 201541659 A 20151101

DOCDB simple family (application)

EP 2014053352 W 20140220; CN 201480075857 A 20140220; EP 14705372 A 20140220; TW 104104104 A 20150206