

Title (en)

REEL-TO-REEL REACTION OF PRECURSOR FILM TO FORM SOLAR CELL ABSORBER

Title (de)

REEL-TO-REEL-REAKTION EINER VORLÄUFERFOLIE ZUR FORMUNG EINER SOLARZELLENABSORPTIONSSCHICHT

Title (fr)

RÉACTION INTER-BOBINE D'UN FILM PRÉCURSEUR POUR FORMATION D'UN ABSORBEUR SOLAIRE

Publication

EP 2102898 A2 20090923 (EN)

Application

EP 07872342 A 20071112

Priority

- US 2007084432 W 20071112
- US 86538506 P 20061110

Abstract (en)

[origin: WO2008085604A2] A roll-to-roll rapid thermal processing (RTP) tool with multiple chambers for forming a solar cell absorber by reacting a precursor layer on a continuous flexible workpiece. The RTP tool includes an elongated housing having a heating chamber with a predetermined temperature profile, a supply chamber and a receiving chamber. The heating chamber includes a small process gap in which the precursor layer is reacted with a Group VIA material to form an absorber layer. The continuous flexible workpiece is unrolled and advanced from the supply chamber into the heating chamber, and the processed continuous flexible workpiece is taken up and rolled in the receiving chamber.

IPC 8 full level

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CPC (source: EP KR)

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