

PRODUCTION OF POLYCRYSTALLINE LAYERS FOR PHOTOVOLTAIC'S & OTHER ELECTRONIC DEVICES

Third Patent Portfolio Investment Company

Initial Bidding Guidance: Please inquire

With early priority dates from 2008, this portfolio is directed to methods and process for improved production of polycrystalline layers, including:

1. A method for producing polycrystalline layers comprising: depositing a sequence of layers on a substrate, the sequence of layers comprising an amorphous initial layer, a metallic activation layer and an intermediate layer disposed between the amorphous initial layer and the activation layer; and performing a heat treatment for producing a polycrystalline final layer at the location of the activation layer. [12/997,077]
2. A process for producing a polycrystalline end layer in which the polycrystalline end layer has a lower density of impurities than the contaminated precursor material. The process includes a cleaning layer based on titanium or titanium oxide between the amorphous starting layer and the activator layer which has the effect that impurities are withdrawn from the amorphous starting layer and, consequently, no longer contribute to an increased density of impurity atoms. [14/113,008]

Earliest Priority Date: 6-9-2008

Representative Claim: US Application 12/997,077 – Claim #16

A method for producing polycrystalline layers comprising: depositing a sequence of layers on a substrate (1), the sequence of layers comprising an amorphous initial layer (4, 10), a metallic activation layer (2, 11) and an intermediate layer (3) disposed between the initial layer (4, 10) and the activation layer (2, 11); and performing a heat treatment to form a polycrystalline final layer (8, 15) at the location of the activation layer (2, 11), wherein the intermediate layer (3) is based on Ti.

Contact:

For more information on the assets available for sale in this portfolio, contact Michelle Tyler.

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TECHNOLOGY

POLYCRYSTALLINE LAYERS

NOVELTY

METHOD AND PROCESS OF PRODUCING POLYCRYSTALLINE LAYERS WITH A LOWER DENSITY OF IMPURITIES THAN ITS PRECURSOR MATERIAL

IMPORTANCE

A VALUABLE PORTFOLIO FOR COMPANIES PRODUCING SOLAR CELLS, FLAT PANEL DISPLAYS, AND OTHER ELECTRONIC DEVICES

NUMBER OF ASSETS

12

PATENTS (4)

CN ZL200980129157.1
DE 202012100085.7
EP 2133907
KR 10-1304286

APPLICATIONS (8)

US 12/997,077
US 14/113,008
CN 2012819083
DE 20111002236
EP 20090761722
EP 20120152997
EP 20120711603
JP 20110512965