

Title (en)

Paste for solar cell electrode and electrode using the same and solar cell using the same

Title (de)

Paste für Solarzellenelektrode und Elektrode damit und Solarzelle, die diese benutzt

Title (fr)

Colle pour électrode à cellules solaires et électrode l'utilisant et cellule solaire l'utilisant

Publication

EP 2444979 B1 20130717 (EN)

Application

EP 10195259 A 20101215

Priority

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Abstract (en)

[origin: EP2444979A1] Disclosed herein are pastes for solar cell electrodes exhibiting superior printability and conversion efficiency. The paste includes (a) a conductive powder, (b) a glass frit, (c) an organic vehicle, and (d) metal oxide particles comprising nanometer scale particles having an average particle diameter (D50) of 15 to 50 nm and micron scale particles having an average particle diameter (D50) of 0.1 to 2 μm . The present invention also discloses an electrode formed of the paste for solar cell electrodes, and a solar cell comprising the electrode, which has improved paste printability while exhibiting superior conversion efficiency.

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102013009241A1; CN114203334A; CN103714912A; US10056508B2; US10636540B2; US9236155B2; US9934880B2; DE102013009241B4; WO2021119428A3

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