

Title (en)

PHOTOVOLTAIC MODULE BACK SHEETS COMPRISING THERMOPLASTIC VULCANIZATE COMPOSITIONS

Title (de)

FOTOVOLTAIKMODUL-RÜCKSEITENFOLIE MIT THERMOPLASTISCHEN VULKANISATZUSAMMENSETZUNGEN

Title (fr)

FEUILLES ARRIÈRE DE MODULE PHOTOVOLTAÏQUE COMPRENANT DES COMPOSITIONS DE VULCANISAT THERMOPLASTIQUE

Publication

**EP 3437186 A1 20190206 (EN)**

Application

**EP 17705547 A 20170209**

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Abstract (en)

[origin: WO2017172056A1] Provided herein are back sheets comprising and/or otherwise made from thermoplastic vulcanizates, PV modules comprising such TPV-based back sheets, and methods for forming the TPV back sheets and PV modules. TPV-based back sheets provide particular advantages over incumbent back sheets, including increased flexibility, greater electrical insulation properties, and more desirable barrier properties. The TPV-based back sheets of some embodiments provide PV modules improved endurance, particularly under the changing and often harsh environmental conditions in which PV modules are often deployed. The TPV-based back sheets of some embodiments also enable efficient construction of unusual PV module geometries, such as non-planar (e.g., curved and/or hinged) geometries.

IPC 8 full level

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Citation (search report)

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