

Title (en)

PLASTICS AND GLASS RECOVERY FROM END-OF-LIFE PHOTOVOLTAIC PANELS

Title (de)

KUNSTSTOFF- UND GLASRÜCKGEWINNUNG AUS FOTOVOLTAISCHEN PANELEN AM LEBENSDAUERENDE

Title (fr)

RÉCUPÉRATION DE MATIÈRES PLASTIQUES ET DE VERRE À PARTIR DE PANNEAUX PHOTOVOLTAÏQUES EN FIN DE VIE

Publication

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Application

EP 21835837 A 20211207

Priority

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- IB 2021061419 W 20211207

Abstract (en)

[origin: WO2022123444A1] The invention relates to a process for the treatment of photovoltaic panels at the end of their life and has the aim of recovering plastics and especially high-purity glass, to put them back on the market as secondary raw materials. The process involves a mechanical treatment of grinding and physical detachment of the adhesives from the other components (glass and other plastics) and further chemical treatments of the plastics and of the fine glass fraction for the recovery of metals in order to obtain an enhanced solid residue. The process allows to reach and exceed the minimum material recovery target set by the European directive 2012/19/EU and equal to 85% by weight.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022123444A1

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