

Title (en)

PROCESS AND SYSTEM FOR THE RECYCLING OF COMPOSITE PLASTIC MATERIALS, MIXED AND PURE WASTE PLASTICS

Title (de)

VERFAHREN UND ANLAGE ZUR WIEDERVERWERTUNG VON KUNSTSTOFF-VERBUNDWERKSTOFFEN, GEMISCHTEM UND REINEM ABFALLKUNSTSTOFF

Title (fr)

PROCÉDÉ ET SYSTÈME DE RECYCLAGE DE MATÉRIAUX PLASTIQUES COMPOSITES, DE DÉCHETS PLASTIQUES MÉLANGÉS ET PURS

Publication

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Application

EP 22720602 A 20220331

Priority

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Abstract (en)

[origin: WO2022207891A1] Disclosed is a continuous process for the recycling of composite, mixed and pure plastics and similar waste plastic waste materials, which are pyrolysed on molten metal at an operating temperature of 300 to 600°C. The solids pyrolysis products, e.g., black mass from lithium-ion batteries, aluminium, copper, glass fibre or carbon fibre, are separated and recovered as inert materials. The pyrolysis gases are condensed to pyrolysis oil, pyrolysis waxes or both.

IPC 8 full level

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