

Title (en)  
RECYCLING METHOD

Title (de)  
RECYCLING-VERFAHREN

Title (fr)  
PROCÉDÉ DE RECYCLAGE

Publication  
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Application  
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Abstract (en)  
[origin: WO2022253953A1] The invention relates to a method for recycling packaging wastes made of PET or polyolefins (PO), which packaging wastes are referred to as first articles and can be decolorized in accordance with the "key-locker" principle, and at least second articles made of PET or PO, comprising the following method steps: (a) presorting the first and second articles, (b) prewashing the first and second articles, (c) comminuting the articles to form flakes, (d) washing the articles in a first washing step or intensive washing step, (e) dewatering and drying the flakes in a first drying step, (f) flake sorting, (g) extrusion, (h) solid-state polycondensation (SSP) in the case of PET wastes, or (i) decontamination in the case of PO wastes. In order to concentrate the first articles, the first articles are separated from the second articles by means of optical sorting and, after being separated, are decolored separate from the second articles in a decoloring step (j) by means of a reagent referred to as a "key". The first decolored articles are temporarily stored in a store (m) after step (j). After being stored, the first articles are fed to separate steps (g) and (h) or (i).

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