

Title (en)

Device for feeding a waste sorting plant with the contents of garbage bags

Title (de)

Vorrichtung zum Beschicken einer Müllsortiereinrichtung mit dem Inhalt von Müllsäcken

Title (fr)

Dispositif pour alimenter une installation de tri de déchets avec les contenus de sacs-poubelles

Publication

EP 0635430 B1 19960925 (DE)

Application

EP 94111042 A 19940715

Priority

DE 4323952 A 19930716

Abstract (en)

[origin: US5567106A] An apparatus for charging a trash sorting device with the contents of trash bags has a feed apparatus of the trash bags connected to an inclined conveyor belt suitable for bearing and transporting trash bags, the upper end of which is located above the charging point of a conveyor which traverses the sorting area. Located above and near the upper end of the conveyor belt is a deflector rake which can be swiveled around an axle which traverses the conveyor belt, the tines of which rake when in the pick up position approach the conveyor belt at a downward angle in the direction opposite the direction of transport of the belt and can be moved from this pick up position opposite the direction of transport to a reject position above the conveyor belt. The deflector rake can be driven in a back-and-forth motion between the pick up position and the reject position. Ripping devices facing the trash bags extend in the direction of transport from a bearing downstream from the deflector rake, project through the gaps between the tines with their distance from the conveyor belt increasing in the direction opposite the direction of transport, and which from an initial position can be moved together against a return force around an axle traversing the conveyor belt, whereby transport along the feed apparatus can be regulated as a function of the angular position of the ripping devices relative to this initial position.

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IPC 8 full level

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CPC (source: EP US)

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US 5567106 A 19961022; AT E143328 T1 19961015; DE 4323952 A1 19950119; DE 4323952 C2 19950727; DE 59400731 D1 19961031; EP 0635430 A1 19950125; EP 0635430 B1 19960925; ES 2093476 T3 19961216

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