

Title (en)

METHOD AND DEVICE FOR RECYCLING WASTE BY PYROLYSIS AND REDUCTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERWERTUNG VON ABFALLSTOFFEN DURCH PYROLYSE MIT REDUKTION

Title (fr)

PROCEDE ET DISPOSITIF DE VALORISATION DES DECHETS PAR PYROLYSE AVEC REDUCTION

Publication

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Application

EP 94927701 A 19940920

Priority

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Abstract (en)

[origin: WO9508605A1] A low-energy, non-polluting method for reducing waste, and associated plant, are disclosed. Waste such as worn tyres, lead-acid batteries, old oils, sawdust, papers, rags, plastics, etc. are recycled directly as industrial quality secondary products or indirectly by reaction with the decomposition vapours of the above. A plant for implementation of said method will consist essentially of a large multi-wall furnace under different stages of vacuum, heating elements and one or more fluid ring pumps providing a reaction with the volatile matter. Continuous processing can be achieved by associating liquid waste with divided solids. A high temperature device breaks down the complex volatile matter and backscatter. By combining several units, chemical and synthesis reactions are possible.

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