

The invention relates to a method for producing recycled scrap, said method comprising the following steps: a) preparing or providing an inhomogeneous, ferrous scrap composition; b) comminuting the inhomogeneous, ferrous scrap composition in a comminution unit in order to obtain a comminuted material; c) separating organic and/or inorganic impurities from the comminuted material in order to obtain a pre-cleaned material; d) analysing the pre-cleaned material with one or more first detection devices in order to detect at least a first item of material information and separating out constituents of the pre-cleaned material in order to obtain a purified material, wherein the separation is performed depending on the first item of material information; and e) analysing the purified material with one or more second detection devices in order to detect at least one second item of material information; f) matching the detected second item of material information with a predefined material criterion associated with the second item of material information, wherein the purified material is output as recycled scrap if the second item of material information fulfils the associated predefined material criterion.