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(54) **Decladding method and decladding device for spent nuclear fuel reprocessing**

(57) Decladding method and device of spent nuclear fuel are provided by which fuel pins can be easily and efficiently removed from the spent nuclear fuel. Spent nuclear fuel pins P, made of austenitic stainless steel, in which the spent nuclear fuel is filled are fed by a feeder 7 one by one or by a unit of several pins and finely sheared into fragments by a shredder 1 comprising plural rotating blades 4, 5 so that the fragments are of a size of 1 to 2 mm or less. The sheared fragments are separated into a fuel pin portion and a nuclear fuel portion by a magnetic separator 20. The magnetic separator 20 comprises a vibration feeder 27 feeding the sheared fragments and is arranged below the shredder 1. Without using a dissolving liquid of nitric acid or the like, decladding is done and the spent nuclear fuel can be efficiently obtained.

Fig. 1

