

Title (en)

METHOD FOR LOAD-DEPENDENT UNLOADING AND/OR LOADING OF A FUEL ELEMENT OUT OF AND INTO A FUEL ELEMENT CONTAINER

Title (de)

VERFAHREN ZUM LASTABHÄNGIGEN ENTLADEN UND/ODER BELADEN EINES Brennelements aus einem bzw. in einen Brennelementbehälter

Title (fr)

PROCÉDÉ DE DÉCHARGEMENT ET/OU DE CHARGEMENT DÉPENDANT DE LA CHARGE D'UN ÉLÉMENT COMBUSTIBLE DEPUIS UN CONTENANT D'ÉLÉMENT COMBUSTIBLE OU DANS UN CONTENANT D'ÉLÉMENT COMBUSTIBLE

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Abstract (en)

[origin: WO2023001813A1] The present invention relates to a method for load-dependent unloading and/or loading of a fuel element (20) out of and into a fuel element container (30), in particular a reactor pressure vessel (30), by means of a loading device (10). The loading device is designed to lift a fuel element (20) out of the fuel element container (30) and lower it into the fuel element container (30) along a movement path at a variable movement speed. The loading device (10) has a load measuring device for online measurement of a dynamic load and/or change in load presently acting on the loading device (10) during lifting and lowering of the fuel element (20) along the movement path, wherein the movement speed during lifting and lowering of the fuel element (20) is controlled depending on the presently measured load and/or change in load.

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