

Title (en)

Tube gripper for secondary side tubes of steam generator.

Title (de)

Greifer für die Rohre an der Sekundarseite eines Dampferzeugers.

Title (fr)

Dispositif de prise des tubes par le coté secondaire d'un générateur de vapeur.

Publication

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Application

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Priority

US 63135184 A 19840716

Abstract (en)

A gravity-operated tube gripper and puller (1) actuated by a rotatably-operated latch (40) is disclosed herein. The gripper (1) includes a gripping means (5) having a collet assembly (6) with a threaded collet (7) which is expandable by means of a frustro-conical body (29). The gripper (1) further includes a suspension member (35) connected to the frustroconical body (29), and detachably connected to the expandable collet (7). The rotatably-operated latch (40) of the gripper selectively disconnects the collet assembly (6), so that the weight of the frustro-conical body (21) engages the mouth (9) of the expandable collet (7), and expands the threaded exterior of the collet (7) into the inner walls of the tube. The invention provides a tube gripper (1) which is easily manually operated through a simple extension rod. It is particularly useful in removing sample tubes from areas of limited accessibility in the secondary sides of nuclear steam generators.

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IPC 8 full level

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Citation (search report)

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