

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

EP 0168698 A1 19860122 (EN)

Application

EP 85108071 A 19850628

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.

IPC 1-7

B25B 27/02; **B66C 1/56**

IPC 8 full level

F22B 37/58 (2006.01); **B25B 27/02** (2006.01); **B66C 1/56** (2006.01)

CPC (source: EP)

B25B 27/026 (2013.01); **B66C 1/56** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0168698 A1 19860122; CA 1272014 A 19900731; ES 545206 A0 19861216; ES 8702715 A1 19861216; JP S6141806 A 19860228; ZA 854834 B 19860226

DOCDB simple family (application)

EP 85108071 A 19850628; CA 485239 A 19850626; ES 545206 A 19850715; JP 15501885 A 19850712; ZA 854834 A 19850626