

Title (en)  
TOOL FOR EXTRACTING A TUBE FROM A TUBE SHEET

Publication  
**EP 0169471 A3 19860507 (DE)**

Application  
**EP 85108838 A 19850715**

Priority  
DE 8422476 U 19840726

Abstract (en)  
[origin: US4670975A] A tool for pulling heating tube sections from a tube sheet of a steam generator, includes a threaded pulling mandrel screwed to the heating tube section, a mounting plate fixed to the tube sheet, a hydraulic linear drive having a cylinder fastened to the mounting plate and a first lifting piston, a hydraulic clamping means having a cylinder surrounding the mandrel and being fastened to the first lifting piston, wedge-shaped clamping jaws having wide and narrow ends and being movable in longitudinal direction of the mandrel for engaging the clamping piston with the mandrel, and second and third hydraulic lifting pistons of the clamping piston, the second lifting piston resting against the narrow ends and the third lifting piston resting against the wide ends of the clamping jaws.

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**B25B 27/02**; **B23P 19/02**

IPC 8 full level  
**B23P 19/02** (2006.01); **B25B 27/02** (2006.01); **B25B 27/10** (2006.01)

CPC (source: EP US)  
**B25B 27/026** (2013.01 - EP US); **Y10T 29/53113** (2015.01 - EP US); **Y10T 29/5383** (2015.01 - EP US)

Citation (search report)  
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• [Y] EP 0035911 A1 19810916 - WESTINGHOUSE ELECTRIC CORP [US]  
• [Y] FR 2321060 A1 19770311 - BRETAGNE ATEL CHANTIERS [FR]  
• [A] GB 2084542 A 19820415 - WESTINGHOUSE ELECTRIC CORP  
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