

Title (en)  
Welded steam turbine shaft and its method of manufacture

Title (de)  
Geschweisste Turbinenwelle und Verfahren zur deren Herstellung

Title (fr)  
Arbre soudé de turbine à vapeur et procédé de fabrication

Publication  
**EP 1577494 A1 20050921 (DE)**

Application  
**EP 04006394 A 20040317**

Priority  
EP 04006394 A 20040317

Abstract (en)  
The welded turbine shaft (3) which is orientated in a longitudinal direction (4) has a center section (20) and two outer sections (21,22) fastened on the center section in the longitudinal direction. The center section is manufactured from a material which is more resistant to high heat than the two outer sections. The two outer sections are each connected to the center section through a weld (24,25). Independent claims are also included for the following: (A) a method for the manufacture of a turbine shaft in which the center section of the shaft consists of a material with resistance to high heat; and (B) a steam turbine equipped with the shaft as specified in the invention.

Abstract (de)  
Die Erfindung betrifft eine in einer Längsrichtung (4) ausgerichteten Turbinenwelle (3) mit einem mittleren Bereich (20) und zwei in der Längsrichtung (4) am mittleren Bereich (20) befestigten äußeren Bereichen (21, 22), wobei der mittlere Bereich (20) aus einem hochwarmfesteren Material als die beiden äußeren Bereiche (21, 22) hergestellt ist. <IMAGE>

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IPC 8 full level  
**F01D 5/02** (2006.01); **F01D 5/06** (2006.01); **F01D 5/28** (2006.01)

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Citation (search report)  
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