

Title (en)
Shaft straightening and hardening machine

Title (de)
Wellenricht- und -härtemaschine

Title (fr)
Machine de rectification et de durcissement pour arbres

Publication
EP 1121995 A3 20020109 (DE)

Application
EP 01100776 A 20010113

Priority
DE 10004656 A 20000203

Abstract (en)
[origin: EP1121995A2] Machine has a pair of exchangeable counter rolls (68, 68a) located on a first free end (64, 64a) of its shaft. The radial measurement of the workpiece (20) is determined on the shaft of the diameter of the counter rolls. Preferred Features: A further counter roll (39) of a further counter roll pair is placed on the end lying opposite the free end of the shaft.

IPC 1-7
B21D 3/02

IPC 8 full level
B21D 3/02 (2006.01); **B21D 3/16** (2006.01); **C21D 1/673** (2006.01); **C21D 9/28** (2006.01)

CPC (source: EP)
B21D 3/02 (2013.01); **B21D 3/16** (2013.01); **C21D 1/673** (2013.01); **C21D 9/28** (2013.01)

Citation (search report)

- [X] GB 1245799 A 19710908 - WEWER ILSE [DE]
- [A] US 2748038 A 19560529 - ADAIR ROBERT V, et al
- [A] FR 2427858 A1 19800104 - ESCOFIER EXPL ETS [FR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04 31 August 2000 (2000-08-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)

Cited by
CN106755909A; CN103894452A; CN117139420A

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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