

Title (en)

Method of wall-thickening metal pipes

Title (de)

Verfahren zur Erhöhung der Wanddicke von Metallrohren

Title (fr)

Méthode pour augmenter l'épaisseur de paroi de tubes métalliques

Publication

**EP 0811444 B1 20020227 (EN)**

Application

**EP 97109237 A 19970606**

Priority

JP 14531696 A 19960607

Abstract (en)

[origin: EP0811444A1] To produce a metal pipe which has a desired region of increased thickness with an outer diameter identical to or substantially identical to the outer diameter of the remaining portion by means of cold working with utmost ease and saved cost, a method of processing metal pipes into a thick-walled structure is comprised of a first stage in which a punch (3) provided with a tapered portion is inserted into a starting metal pipe (1) at one of both ends thereof, thereby forming a diametrically expanded region thereat, and a second stage in which the expanded region of the pipe is inserted into a contracting die (5) provided with a tapered portion (5b), thereby contracting the expanded region at a given outer diameter.  
<IMAGE>

IPC 1-7

**B21J 5/08**; **B21K 21/12**

IPC 8 full level

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CPC (source: EP)

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Cited by

CN104741466A; CN114515811A; EP1577029A1; NL1025750C2; CN102705043A; CN113070438A; US11590547B2; WO2005102555A1; WO2004048015A1

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