

Title (en)
MANDREL ROD FOR TUBE ROLLING MILLS

Publication
EP 0356743 A3 19910327 (DE)

Application
EP 89114240 A 19890802

Priority
CH 325488 A 19880831

Abstract (en)
[origin: JPH02104406A] PURPOSE: To obtain a mandrel rod free from strain, light weighted and stable by making a mandrel rod for pipe rolling mill to roll a hollow stock consist of at least two inner and outer pipes. CONSTITUTION: A mandrel rod 1 consists of an outer pipe 2 and a inner pipe 3 coaxial with the outer pipe 2. Between both the pipes 2 and 3, there is an annular clearance 4, into which plastic material is poured. The outer pipe 2 is a rolled pipe made of a high alloy steel, preferably of a chromium alloy, and the outer surface of the pipe is chromium plated so as to be as hard as possible and smooth. The inner pipe 3 is also a rolled pipe made of a plain steel. The inner pipe 3 supports the outer pipe 2 through plastics as a force transmission medium in the annular clearance 4. The annular clearance 4 is completely filled with a thermosetting material which stiffly adheres to the inner surface of the outer pipe 2 and the outer surface of the inner pipe 3.

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B21B 25/00

IPC 8 full level
B21B 25/00 (2006.01)

CPC (source: EP US)
B21B 25/00 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
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