

Title (en)  
PIERCING MILL

Title (de)  
LOCHWALZWERK

Title (fr)  
LAMINOIR PERCEUR

Publication  
**EP 1060802 A1 20001220 (EN)**

Application  
**EP 98947808 A 19981009**

Priority  
• JP 9804571 W 19981009  
• JP 27864797 A 19971013

Abstract (en)  
The thus-far adopted premise for drive unit arrangement in a conventional piercing mill is reconsidered in an effort to improve the arrangement of drive unit components. According to the present invention, a piercing mill for the manufacture of seamless steel tube comprises a pair of piercing rolls 1 disposed opposite each other with respect to a pass line along which a tube stock 3 moves while being rolled, a plug disposed along the pass line so as to be positioned between the piercing rolls, and drive units 4 which impart a rotative drive force to the piercing rolls, the drive units 4 each comprising a spindle 5, a reduction mechanism 6, and a main motor 7, the main motor 7 being disposed on the piercing roll side relative to the reduction mechanism 6 and in parallel with the spindle 5. The drive units axe preferably disposed on an outlet side of the piercing mill. According to the piercing mill of the present invention, since the space occupied by the drive units can be diminished, the arrangement of components of the overall set of production equipment can be made compact. Further, when a continuous tube manufacturing facility is to be realized, an adjacent mill can be disposed in proximity to the piercing mill and thus the overall layout can be optimized. <IMAGE>

IPC 1-7  
**B21B 19/04**

IPC 8 full level  
**B21B 19/04** (2006.01)

CPC (source: EP)  
**B21B 19/04** (2013.01); **B21B 35/06** (2013.01); **B21B 35/14** (2013.01)

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**WO 9919089 A1 19990422**; EP 1060802 A1 20001220; EP 1060802 A4 20090422; EP 1060802 B1 20120208; JP 3239894 B2 20011217

DOCDB simple family (application)  
**JP 9804571 W 19981009**; EP 98947808 A 19981009; JP 2000515708 A 19981009