

Title (en)  
INTEGRAL MILL STAND

Title (de)  
WALZGERÜST VOM TYP MONOBLOCK

Title (fr)  
CAGE DE LAMINOIR DE TYPE MONOBLOC

Publication  
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Application  
**EP 15179774 A 20150805**

Priority  
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• EP 15179774 A 20150805

Abstract (en)  
[origin: CN105396875A] The invention describes a cluster mill, and the cluster mill comprises an upper case part and a lower case part, which are integrated and combined in a vertical direction. Each of the case parts comprises a group of upper and lower rollers, which comprise a plurality of columns of supporting rollers, wherein the supporting rollers are designed to apply forces to a central roller and the central roller is driven to apply a force to a pair of working rollers. The pair of working rollers are designed in a manner of carrying out the rolling of two sides of a horizontally passing metal product when a first movement device in the case enables the pair of upper and lower rollers to be moved to a closed rolling position, wherein the first movement device provides linear components which are roughly vertical, or linear components which are inclined relative to the vertical direction. According to the invention, the cluster mill is characterized in that at least one column of supporting roller (for example, the columns A, D, E and H) are connected to a second movement device; the second movement device provides a main displacement component which faces the working roller in the direction along the horizontal axis for the column; and the second displacement device is started once the upper and lower rollers related to the column of the supporting rollers are vertically moved to a closed rolling position.

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