

Title (en)  
SANDING MACHINE PROVIDED WITH A VARIABLE HARDNESS ROLLER

Title (de)  
SCHLEIFMASCHINE, DIE MIT EINER VARIABLEN HARTEN WALZE VERSEHEN IST

Title (fr)  
PONCEUSE MUNIE D'UN ROULEAU À DURETÉ VARIABLE

Publication  
**EP 4129570 A2 20230208 (EN)**

Application  
**EP 22186631 A 20220725**

Priority  
IT 202100021497 A 20210806

Abstract (en)  
The present invention relates to a processing unit 100; 100 'and a sanding machine M for sanding at least one panel P. The sanding machine M comprises an inlet station 1 for the inlet of a panel P to be machined and a station output 2 for the output of the processed panel P; a work table 3, for transporting the panel P to be processed, and at least one processing unit 100 of the panel P comprising an operator roller 60; 60 'rotatable around a rotation axis AA, capable of smoothing the panel P in machining, and a support frame 70 configured to support the operator roller 60; 60 ', in particular above the work surface 3. The support frame 70 comprises a first 71 upright element and a second 72 upright element capable of contain a translation of the operating roller 60; 60 'along the axis of rotation AA, in which at least one of the upright elements can be opened and configured to assume both a closed position facing the operating roller 60; 60' to contain a translation of the roller operator 60; 60 'along the rotation axis AA, is an opening position, spaced from the operating roller 60; 60', to allow translation of at least a portion of the operating roller 60; 60 'along the rotation axis AA .

IPC 8 full level  
**B24B 21/12** (2006.01); **B24B 7/00** (2006.01); **B24B 7/06** (2006.01); **B24B 7/12** (2006.01); **B24B 7/28** (2006.01); **B24B 41/02** (2006.01)

CPC (source: EP)  
**B24B 7/005** (2013.01); **B24B 7/06** (2013.01); **B24B 7/12** (2013.01); **B24B 7/28** (2013.01); **B24B 21/12** (2013.01); **B24B 41/02** (2013.01)

Cited by  
CN116922184A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4129570 A2 20230208**; **EP 4129570 A3 20230222**; IT 202100021497 A1 20230206

DOCDB simple family (application)  
**EP 22186631 A 20220725**; IT 202100021497 A 20210806