

Title (en)  
DEVICE FOR PROCESSING FLAT OBJECTS

Title (de)  
VORRICHTUNG ZUR BEARBEITUNG FLÄCHIGER OBJEKTE

Title (fr)  
DISPOSITIF D'USINAGE D'OBJETS PLANS

Publication  
**EP 3689561 B1 20230906 (DE)**

Application  
**EP 19154349 A 20190129**

Priority  
EP 19154349 A 20190129

Abstract (en)  
[origin: US2020238554A1] The apparatus for processing flat objects includes a transport system with several rotatably mounted conveyor rollers, the flat objects transportable in the direction of transport, and at least one releasably mounted tool module releasably coupled to only one drive shaft or to a lower and an upper rotatably mounted drive shaft; is supported displaceable along the only one drive shaft or the lower and the upper drive shaft; and is equipped with tool parts for processing the flat objects, of which at least one is drivable by the lower or the upper drive shaft. The tool module is supported by a tool carrier which is displaceable by means of a rotatably mounted setting shaft in parallel to the only one drive shaft and to the lower and the upper drive shafts, and which tool carrier has at least one holding element which serves for releasably holding the tool module.

IPC 8 full level  
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CPC (source: EP US)  
**B26D 1/185** (2013.01 - EP US); **B26D 1/245** (2013.01 - EP US); **B26D 5/007** (2013.01 - EP); **B26D 5/086** (2013.01 - EP);  
**B26D 7/2621** (2013.01 - EP US); **B26D 7/2635** (2013.01 - US); **B65H 35/02** (2013.01 - US); **B26D 2007/2657** (2013.01 - US);  
**B65H 2402/30** (2013.01 - US)

Cited by  
EP4338905A1; EP4338863A1; WO2024056289A1; WO2024056290A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3689561 A1 20200805**; **EP 3689561 B1 20230906**; **EP 3689561 C0 20230906**; US 11453140 B2 20220927; US 2020238554 A1 20200730

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**EP 19154349 A 20190129**; US 202016750159 A 20200123