

Title (en)  
DEEP DRAW PACKAGING MACHINE

Title (de)  
TIEFZIEHVERPACKUNGSMASCHINE

Title (fr)  
MACHINE D'EMBALLAGE PAR EMBOUTISSAGE

Publication  
**EP 3124387 B1 20180221 (DE)**

Application  
**EP 15179067 A 20150730**

Priority  
EP 15179067 A 20150730

Abstract (en)  
[origin: US2017029150A1] The invention relates to a thermo-forming packaging machine comprising a forming station, a loading station, a sealing station, a cutting station, and a film transport device with at least one clamp chain for transporting a lower film web in a direction of production. Unformed portions of the lower film web are movable in a horizontal film plane along the stations. A first chain guide device of an upper chain run of the clamp chain is provided in an upper chain guide plane in the region of the forming station, the sealing station, and the cutting station. A second chain guide device of the upper chain run of the clamp chain is provided in a lower chain guide plane in the region of the loading station. The lower chain guide plane is disposed lower than the upper chain guide plane.

IPC 8 full level  
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CPC (source: EP US)  
**B65B 9/04** (2013.01 - EP US); **B65B 41/14** (2013.01 - EP US)

Cited by  
DE102019214963A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 15179067 A 20150730**; ES 15179067 T 20150730; US 201615221569 A 20160727