

Title (en)

Workstation in a packaging machine with movable lower part

Title (de)

Arbeitsstation einer Verpackungsmaschine mit bewegbarem Unterteil

Title (fr)

Station de travail d'une machine d'emballage comprenant une partie inférieure mobile

Publication

EP 0569937 B2 20080514 (DE)

Application

EP 93107650 A 19930511

Priority

DE 4216210 A 19920515

Abstract (en)

[origin: EP0569937A1] A workstation (1, 2, 3), with an upper part (6) and with a lower part (7), movable relative thereto, with an associated lifting device for executing the relative movement of the two parts, is provided. So that the lifting device on the one hand can exert high necessary forces for bringing together and closing the two parts, as is necessary, for example, in vacuum-packaging machines, but on the other hand can be constructed in a simple way, the lifting device has at least one pair of guide rods (9, 10, 11) which are oriented parallel to one another and which are connected to one another at their top end by means of the upper part (6) and at their bottom end by means of at least one yoke (18). Furthermore, the lifting device has guide bushes (23) which run on the guide rods and which are connected to the lower part (7). Finally, there is provided a toggle-lever system (24, 25) which is connected to the guide bushes (23) and which is designed so that, in the angled position, it keeps the lower part (7) in the lower position via the guide bushes (23) and, in its extended position, keeps the lower part (7) in the uppermost position. <IMAGE>

IPC 8 full level

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CPC (source: EP)

B65B 31/021 (2013.01); **B65B 65/02** (2013.01)

Cited by

EP2374718A1; US7487625B2; DE10327092A1; CN110713137A; CN109368546A; DE102004006118A1; EP0895933A1; US6006505A; AU2003240246B2; EP3838769A1; DE19960084A1; EP0895934A1; US6085497A; AT525795A4; AT525795B1; US2015203223A1; EP2955416A3; US10118719B2; US9139320B2; EP1118540A1; EP4311786A1; FR3138415A1; WO2005075291A3; WO2020070059A1; US9032695B2; US11713152B2; EP3294636B1; EP1513729A1

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