

Title (en)  
Needle unit for knitting machine

Title (de)  
Nadeleinheit für Strickmaschine

Title (fr)  
Ensemble d'aiguille pour métier à tricoter

Publication  
**EP 0761858 B1 20000628 (EN)**

Application  
**EP 96113498 A 19960822**

Priority  
• JP 22994695 A 19950907  
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Abstract (en)  
[origin: EP0761858A1] A needle unit which is changeable in movement and which is free of friction loss while the needle body is moving up and down. It has a select jack (1), a push-up jack (2) and a needle body (3) arranged in a needle groove in this order from bottom to top. The needle body (3) has at its bottom a bifurcated portion made up of a support piece (9) and a resilient piece (10). The push-up jack (2) has its top end slidably inserted between the support piece (9) and the resilient piece (10), with the resilient piece (10) biased toward the push-up jack (2). The resilient piece is provided in its inner surface with two recesses (11,12) having different depths and on its outer surface with a butt (14). The push-up jack has a protrusion (8) on one side thereof adapted to engage in the recesses when the push-up jack slides up and down. <IMAGE>

IPC 1-7  
**D04B 15/68**

IPC 8 full level  
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CPC (source: EP KR)  
**D04B 11/00** (2013.01 - KR); **D04B 15/68** (2013.01 - EP)

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