

Title (en)  
TUBE RACK TOOL

Title (de)  
ROHRGESTELLWERKZEUG

Title (fr)  
OUTIL DE PORTOIR DE TUBES

Publication  
**EP 3261764 A4 20180718 (EN)**

Application  
**EP 16756063 A 20160211**

Priority  
• US 201514998015 A 20150224  
• US 2016017620 W 20160211

Abstract (en)  
[origin: CA2977505A1] Tools and methods are provided for removing a plurality of tubes from a rack of tubes. Tube rack tools include a base and/or top piece for receiving the rack of tubes. The base has a support surface for engaging the closed bottom of the plurality of tubes. The support surface can be curved such that the rack of tubes can be rocked about the curved support surface to dislodge the plurality of tubes from the rack. The top piece can be configured to engage the rack such that pressure on the top piece in the direction of the support surface applies a pressure on the rack without applying the pressure to the tubes. The tubes are dislodged from the rack by application of the pressure. Elements of the tube rack tool are also configured for securing the tubes within the rack or caps to the tubes.

IPC 8 full level  
**B01L 9/06** (2006.01); **B01L 3/14** (2006.01); **B01L 9/00** (2006.01); **B01L 9/02** (2006.01); **B01L 99/00** (2010.01); **B01L 3/00** (2006.01)

CPC (source: EP US)  
**B01L 3/50855** (2013.01 - EP US); **B01L 9/06** (2013.01 - EP US); **B01L 9/065** (2013.01 - EP US); **B01L 9/523** (2013.01 - EP US); **B01L 9/527** (2013.01 - EP US); **B01L 99/00** (2013.01 - EP US); **B01L 9/543** (2013.01 - EP US); **B01L 2200/021** (2013.01 - EP US); **B01L 2200/025** (2013.01 - EP US); **B01L 2200/04** (2013.01 - EP US); **B01L 2300/0851** (2013.01 - EP US); **B01L 2300/123** (2013.01 - EP US)

Citation (search report)  
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• [XAI] US 2002170867 A1 20021121 - LIU JUN-TAI [TW]  
• [A] US 2003143120 A1 20030731 - RUEDIGER WALDEMAR [US], et al  
• [A] EP 1518605 A2 20050330 - RTS THURNALL PLC [GB]  
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Designated contracting state (EPC)  
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