

Title (en)  
SUCTION CLEANING DEVICE AND METHOD FOR OPERATING SAME

Title (de)  
SAUGREINIGUNGSGERÄT SOWIE VERFAHREN ZUM BETRIEB EINES SAUGREINIGUNGSGERÄTES

Title (fr)  
APPAREIL DE NETTOYAGE PAR SUCCION ET PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL DE NETTOYAGE PAR SUCCION

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Application  
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Citation (search report)  
• [X] US 2002112315 A1 20020822 - CONRAD WAYNE ERNEST [CA]  
• [X] DE 102014105756 A1 20151029 - MIELE & CIE [DE]  
• [X] JP 2003038403 A 20030212 - MITSUBISHI ELECTRIC CORP, et al  
• [A] DE 102007009109 A1 20080417 - WESSEL WERK GMBH [DE]  
• [XI] JP 2005192899 A 20050721 - MATSUSHITA ELECTRIC IND CO LTD  
• [XYI] JP 2003169771 A 20030617 - TOSHIBA TEC KK  
• [XYI] JP 2002065535 A 20020305 - MITSUBISHI ELECTRIC CORP, et al  
• [Y] JP 2002345705 A 20021203 - TOSHIBA TEC KK  
• [Y] JP 2003265382 A 20030924 - TOSHIBA TEC KK

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