

Title (en)  
Thermal disk device for single-brush polishing machines

Title (de)  
Thermische Scheibe für Poliergerät mit einziger Bürste

Title (fr)  
Disque thermique pour appareil de polissage à brosse unique

Publication  
**EP 0972484 A1 20000119 (EN)**

Application  
**EP 99113722 A 19990713**

Priority  
IT MI981634 A 19980716

Abstract (en)  
A single-brush polishing machine is provided with a thermal disk device composed of a rotating polishing disk (1) and a fixed disk (5) which is associated with it face-to-face and made of material with good heat-conducting properties and in which an electric resistance (6) is incorporated. Silicone grease is applied onto the contact surface between the fixed disk (5) and the polishing disk (1) in order to ensure lubrication and promote the transfer of heat from the first to the second disk, while keeping the distance between them as small as possible. <IMAGE>

IPC 1-7  
**A47L 11/164**; **B24B 7/18**

IPC 8 full level  
**A47L 11/164** (2006.01); **B24B 7/18** (2006.01)

CPC (source: EP)  
**A47L 11/164** (2013.01); **A47L 11/4038** (2013.01); **B24B 7/186** (2013.01)

Citation (applicant)  
US 5587021 A 19961224 - HOERSCH GUIDO [DE], et al

Citation (search report)  
• [DXA] US 5587021 A 19961224 - HOERSCH GUIDO [DE], et al  
• [A] US 4590635 A 19860527 - TUCKER HARTWELL F [US], et al  
• [A] WO 8600511 A1 19860130 - HAMMERSCHLAG KARL WILHELM [DE], et al  
• [A] US 5016313 A 19910521 - YONEHARA TAKASHI [JP]

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**EP 0972484 A1 20000119**; **EP 0972484 B1 20071121**; DE 69937590 D1 20080103; DE 69937590 T2 20081023; ES 2296357 T3 20080416; IT MI981634 A0 19980716; IT MI981634 A1 20000116

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