

Title (en)  
Hinge for toilet seat

Title (de)  
WC-Sitzgelenk

Title (fr)  
Charnière pour siège de toilette

Publication  
**EP 1199020 A2 20020424 (DE)**

Application  
**EP 01117962 A 20010724**

Priority  
DE 10051805 A 20001018

Abstract (en)  
The rotation dampening devices (11,12), directly joined to the hinge parts (26) positioned at the back of the toilet bowl (10) with an adapter (20), serve as swivel axle of the lid/seat unit (2,4). The dampening devices (11,12), working with a piston (16), rotating in a horizontally positioned cylinder (14), is permanently joined to the adapter (20) and accommodated in a stepped space (44,46,48,54) at the back of the unit (2,4), moving either with the seat (4) or with the lid (2), as required.

Abstract (de)  
Offenbart ist ein WC-Sitzgelenk zur Befestigung einer Sitzgarnitur an einer Keramik, wobei die Absenkbewegung der Sitzgarnitur über eine Dämpfungseinrichtung abbremsbar ist. Die Dämpfungseinrichtung ist über ein Adapterstück mit den Befestigungsmitteln der Sitzgarnitur verbunden, wobei Adapterstück und Dämpfungseinrichtung die Schwenkachse für die Sitzgarnitur bilden. <IMAGE>

IPC 1-7  
**A47K 13/12**

IPC 8 full level  
**A47K 13/12** (2006.01)

CPC (source: EP US)  
**A47K 13/12** (2013.01 - EP US)

Cited by  
DE102014105342A1; DE102015109487A1; DE102014119560A1; DE102016113670A1; DE102016100749A1; WO2019196526A1; DE102013101209B4; EP3827723A1; DE112006003330C5; DE102020107158A1; DE102019122493A1; DE102016100749B4; CN103622632A; GB2573832A; DE102019132130A1; RU2747755C1; DE102008058580B4; DE102016108379B4; AT500061B1; DE102019105939A1; DE202015104388U1; DE202018102957U1; WO2021032566A1; DE102018120672A1; DE102020107792A1; WO2021185860A1; EP2324745A2; DE102016125047A1; EP2371254A2; DE202014101776U1; WO2016166105A1; DE102017104452B4; EP3037595B1; DE202015103716U1; DE102016113670B4; EP2189092A1; DE102008058580A1; DE102016108379A1; DE102021113738A1; WO2022248595A1; DE102017105204A1; WO2017158196A1; WO2018158358A1; EP3420871A1; DE202017007518U1; DE102017105204B4; EP2842469A1; DE102015112819A1; DE202016100213U1; US9770145B2; WO2018036990A1; DE202015009907U1; DE102013101209A1; DE202014101077U1; EP2907433A1; DE202018102956U1; EP3574813A1; DE102019105939B4; DE102023108365A1; EP2803308B1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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**US 2002062518 A1 20020530; US 6550073 B2 20030422;** AT E318101 T1 20060315; DE 10051805 A1 20020516; DE 10051805 B4 20050414; DE 50108977 D1 20060427; DK 1199020 T3 20060529; EP 1199020 A2 20020424; EP 1199020 A3 20021218; EP 1199020 B1 20060222; ES 2258998 T3 20060916

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**US 91088401 A 20010724;** AT 01117962 T 20010724; DE 10051805 A 20001018; DE 50108977 T 20010724; DK 01117962 T 20010724; EP 01117962 A 20010724; ES 01117962 T 20010724