

Title (en)  
Implement for wiping and cleaning dirt laden surfaces

Title (de)  
Vorrichtung zum Wischen und Reinigen von verschmutzten Oberflächen

Title (fr)  
Dispositif à essuyer et à nettoyer des surfaces sales

Publication  
**EP 1260171 B1 20040915 (DE)**

Application  
**EP 02003387 A 20020214**

Priority  
DE 10124336 A 20010518

Abstract (en)  
[origin: EP1260171A1] The bearer (1) forms a latent heat storage with fitted temperature sensor made of plastics with inbuilt thermochrome material so plastics casing acts as cleaning fluid tank. Part of the tank wall forms a heat guide, being here of reduced thickness and reinforcibly ribbed. The bearer is made of polymer material and fitted with a handle (2) hinged to the bearer base through a universal joint (6) in the center of the bearer top. The wiper (3) is a removable fleece, knitted etc or woven cloth and is fastened to the bearer. The tank has a stoppable opening for the cleaning fluid to be pumped out.

IPC 1-7  
**A47L 13/22**

IPC 8 full level  
**A47L 1/08** (2006.01); **A47L 13/22** (2006.01)

CPC (source: EP US)  
**A47L 1/08** (2013.01 - EP US); **A47L 13/22** (2013.01 - EP US)

Cited by  
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**EP 1260171 A1 20021127; EP 1260171 B1 20040915**; AT E275860 T1 20041015; AU 4061302 A 20021121; AU 781850 B2 20050616; CA 2386604 A1 20021118; CA 2386604 C 20070724; CN 1162118 C 20040818; CN 1386470 A 20021225; DE 10124336 A1 20030213; DE 10124336 B4 20090402; DE 10124336 B8 20090709; DE 50200988 D1 20041021; ES 2225665 T3 20050316; HU 0201594 D0 20020729; HU P0201594 A2 20071228; PL 202244 B1 20090630; PL 353765 A1 20021202; US 2002176735 A1 20021128; US 6733199 B2 20040511

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