

Title (en)  
Combined scraper with brush

Title (de)  
Kratzer- und Bürsten- Kombination

Title (fr)  
Racloir et brosse combinés

Publication  
**EP 1050237 A3 20010516 (EN)**

Application  
**EP 00303582 A 20000428**

Priority  
US 30672399 A 19990507

Abstract (en)  
[origin: EP1050237A2] A scraper (24) combined with a brush (26) including a shaft (20) having a handle (22), a scraper (24) attached to the shaft (20), a brush (26) attached to the shaft (20), and an adjustment mechanism provided between the brush (26) and the shaft (20) for adjusting an angular position of the brush with respect to the shaft (40). The adjustment mechanism includes a spring (118) that biases the brush (26) towards the shaft (20) thereby engaging complementary and opposing protrusions and recesses (48) located on the brush (26) and the shaft (20). The adjustment mechanism further includes an actuator (130) that is configured to have a locked position, in which the protrusions and recesses (48) are engaged, and an unlocked position, in which the actuator forced the protrusions and the recesses (48) to disengage by moving the brush (26) away from the shaft (20). <IMAGE>

IPC 1-7  
**A46B 17/08**; B60S 3/04; **A46B 15/00**; **A46B 5/00**

IPC 8 full level  
**A46B 5/00** (2006.01); **A46B 15/00** (2006.01)

CPC (source: EP)  
**A46B 5/0075** (2013.01); **A46B 5/0083** (2013.01); **A46B 15/0055** (2013.01); **A46B 15/0081** (2013.01)

Citation (search report)

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- [Y] US 5020551 A 19910604 - GUERRET JEAN-LOUIS [FR]
- [A] US 2792584 A 19570521 - FRYDA PAUL A
- [A] US 4302862 A 19811201 - MACHACEK ROBERT W, et al
- [AD] EP 0449554 A1 19911002 - OXO INTERNATIONAL L P [US]

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