

Title (en)
Combined scraper with brush

Title (de)
Kratzer- und Bürsten- Kombination

Title (fr)
Racloir et brosse combinés

Publication
EP 1050237 A2 20001108 (EN)

Application
EP 00303582 A 20000428

Priority
US 30672399 A 19990507

Abstract (en)
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>

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A46B 17/08; **B60S 3/04**

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 (applicant)
US 4974286 A 19901204 - STOWELL DAVIN [US], et al

Cited by
CN102138772A; CN108909680A; US7565715B2; US8533890B2; WO2012018438A1; WO2006113252A3; KR101056185B1

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