

Title (en)
Sander providing airflow correction

Title (de)
Schleifmaschine mit Luftstromkorrektur

Title (fr)
Correction d'écoulement d'air de ponceuse

Publication
EP 2842687 A1 20150304 (EN)

Application
EP 13182373 A 20130830

Priority
EP 13182373 A 20130830

Abstract (en)
A sander capable of correcting airflow amount comprises a body (1) and a correction valve (2). The body (1) includes an air intake passage (11) to receive pressurized air, a drive motor (12) driven by the pressurized air to rotate at a rotational speed including a preset range and an excessive range, and a regulation valve (14) located on the air intake passage (11) to adjust the rotational speed of the drive motor (12) in the preset range. The correction valve (2) includes an adjustment portion (21) operable in an adjustment displacement and a mask wall (22) movable by the adjustment portion (21) to block the air intake passage (11). The adjustment portion (21) determines the flow amount of the pressurized air passing through the correction valve (2) according to the adjustment displacement thereof to confine the rotational speed of the drive motor (12) from the excessive range to the preset range, thereby controls the rotational speed of the drive motor in the preset range.

IPC 8 full level
B24B 23/02 (2006.01)

CPC (source: EP)
B24B 23/026 (2013.01)

Citation (applicant)
TW M352423 U 20090311 - SUNMATCH IND CO LTD [TW]

Citation (search report)
• [X] EP 0691181 A1 19960110 - SHINANO SEISAKUSHO KK [JP]
• [A] US 5319888 A 19940614 - HUBER PAUL W [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2842687 A1 20150304

DOCDB simple family (application)
EP 13182373 A 20130830