

Title (en)
SUCTION DEVICE AND SUCTION METHOD FOR THE DISPOSAL OF DUST IN MILLING MACHINES

Title (de)
ABSAUGEINRICHTUNG UND -VERFAHREN ZUR STAUBENTSORGUNG BEI FRÄSMASCHINEN

Title (fr)
UNITE ET PROCEDE D'ASPIRATION POUR ELIMINER LA POUSSIERE SUR DES FRAISEUSES

Publication
EP 1507925 B1 20060201 (DE)

Application
EP 03727433 A 20030506

Priority
• DE 10223819 A 20020528
• EP 0304691 W 20030506

Abstract (en)
[origin: US7422390B2] Disclosed is an automotive milling machine for machining ground surfaces, comprising an engine frame (2), a movable milling drum (8) which is mounted on the engine frame (2), at least one conveying device (14,18) which is arranged on the engine frame (2) and takes over the milled material (3) from the milling drum (8) at a transfer location (5), and a device (20) sucking off the air that is polluted with dust and fumes. The milled material (3) is enclosed by a duct (16,16 a, 16 b) on the at least one conveying device (14,18), said duct (16) being separated into two sections (16 a ,16 b). The suction device (20) is connected to the first section (16 a) of the duct (16) downstream from the first transfer location (5) and sucks off the air that has been polluted during milling at the milling drum (8) as well as inside the first section (16 a) of the duct (16) essentially in the direction in which the material is conveyed.

IPC 8 full level
E01C 23/088 (2006.01)

CPC (source: EP US)
E01C 23/088 (2013.01 - EP US); **E01C 2301/50** (2013.01 - EP US)

Cited by
EP2835471A3; EP2298997A3; US8220875B2; US7422390B2; EP2835471A2; DE102013214675A1; US9416500B2; US9938675B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03100172 A1 20031204; AT E317034 T1 20060215; DE 10223819 A1 20031224; DE 10223819 B4 20050512; DE 50302342 D1 20060413; EP 1507925 A1 20050223; EP 1507925 B1 20060201; US 2005179308 A1 20050818; US 2007122236 A1 20070531; US 7175364 B2 20070213; US 7422390 B2 20080909

DOCDB simple family (application)
EP 0304691 W 20030506; AT 03727433 T 20030506; DE 10223819 A 20020528; DE 50302342 T 20030506; EP 03727433 A 20030506; US 51444204 A 20041116; US 65053407 A 20070108