

Title (en)
Cyclone dust extractor

Title (de)
Zyklonstaubsauger

Title (fr)
Aspirateur cyclone

Publication
EP 0728435 A1 19960828 (EN)

Application
EP 96301131 A 19960220

Priority
GB 9503334 A 19950221

Abstract (en)
A cyclone dust extractor 1 comprising a housing 3 defining a first cyclone separator 23 and a second cyclone separator 33 in series, a centrifugal fan 11 for producing cyclones within the cyclone separators 23,33 and a motor 9 for driving the fan 11, wherein at least one of the cyclone separators 23 has an inlet portion 27 and an outlet portion 31 which are separated by a wall 35. As a result, the outlet portion 31 of the first cyclone separator 23 can act as a third cyclone separator. Additionally, unwanted turbulence between the inlet flow and the outlet flow of the cyclone through the first cyclone separator 23 is avoided. <IMAGE>

IPC 1-7
A47L 9/16

IPC 8 full level
A47L 9/16 (2006.01)

CPC (source: EP)
A47L 9/1633 (2013.01); **B04C 5/187** (2013.01); **B04C 5/26** (2013.01); **B04C 2009/007** (2013.01)

Citation (search report)
• [A] US 5090976 A 19920225 - DYSON JAMES [GB]
• [A] US 5062870 A 19911105 - DYSON JAMES [GB]
• [A] US 4853008 A 19890801 - DYSON JAMES [GB]
• [A] US 4643748 A 19870217 - DYSON JAMES [GB]

Cited by
EP1969986A1; DE102019115745A1; EP1323370A3; EP2351504A3; CN114916860A; GB2346075A; EP1666154A3; CN110811421A; GB2374032A; GB2374032B; GB2426474A; EP0836827A1; EP1707272A1; CN108745667A; GB2360960A; GB2360960B; CN110507242A; DE10132690A1; GB2321181A; GB2321181B; AU2007274886B2; CN102429612A; FR2808987A1; GB2362341A; GB2362341B; KR100407950B1; GB2328861A; EP0885585A1; US6083292A; US7547337B2; US7462212B2; US7691161B2; FR2810528A1; GB2363744A; GB2363744B; EP1157651A3; CN110897553A; AU2019284085B2; GB2445211A; GB2445211B; GB2426473A; GB2426473B; FR2810225A1; AU2006251057B2; WO03030702A3; WO2007021044A1; US7806950B2; US7744667B2; US11547257B2; US11134815B2; GB2460536A; GB2426726A; GB2426726B; EP1683462A1; GB2454292B; AU2009100933B4; GB2460536B; EP1042981A3; GB2454292A; WO2021062947A1; WO2006125946A1; WO2008062001A1; WO02067752A1; WO2008009884A1; US6766557B2; US7771499B2; US7828866B2; WO0036967A1; WO0019881A1; WO2021056869A1; US7470299B2; US7935162B2; US8568500B2; US11058269B2; US6546593B2; US8438700B2; US9681787B2; US7018439B2; US7744668B2; US7867306B2; US8499411B2; US8562705B2; US9538891B2; US10456001B2; US6502278B2; US11013382B2; US11284760B2; US11510537B2; US11832773B2

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0728435 A1 19960828; GB 9503334 D0 19950412

DOCDB simple family (application)
EP 96301131 A 19960220; GB 9503334 A 19950221