

Title (en)
Damped fan

Title (de)
Gedämpfter Lüfter

Title (fr)
Ventilateur amorti

Publication
EP 1617085 A1 20060118 (DE)

Application
EP 05014242 A 20050630

Priority
DE 102004034472 A 20040715

Abstract (en)
The axial fan (1) for the cooling of especially electrical and/or electronic components in a computer, has a fan housing (2) which in the axial direction has a rectangular cross section and fastening holes (3) in its four corners for fastening of the fan to a component to be cooled or to a housing containing such a component. At least one elastic damping element (9) is integrated into the fan and is installed in such a way that it is effective between the fan impeller (6) and fastening holes. A damping component may be provided in each corner of the housing, with the fastening hole provided inside the damping element. An independent claim is included for a computer, especially a PC, which incorporates the aforesaid cooling fan.

IPC 8 full level
F04D 29/66 (2006.01)

CPC (source: EP)
F04D 25/0613 (2013.01); **F04D 29/542** (2013.01); **F04D 29/668** (2013.01)

Citation (applicant)
• DE 20120225 U1 20020228 - VERAX VENTILATOREN GMBH [DE]
• US 4807718 A 19890228 - LOTZ ROBERT [US]
• GB 2107787 A 19830505 - WRIGHT BARRY CORP

Citation (search report)
• [X] US 4807718 A 19890228 - LOTZ ROBERT [US]
• [X] GB 2107787 A 19830505 - WRIGHT BARRY CORP
• [A] WO 03089858 A1 20031030 - MULTIBRAS ELETRODOMESTICOS SA [BR], et al
• [A] US 6351380 B1 20020226 - CURLEE JAMES DON [US], et al
• [A] DE 3809627 A1 19891005 - SEMPERIT AG HOLDING [AT]
• [A] WO 0199256 A1 20011227 - BOSCH GMBH ROBERT [DE], et al

Citation (third parties)
Third party :
• CN 2480899 Y 20020306 - DAZHONG COMPUTER CO LTD [CN]
• CN 1456037 A 20031112 - ZALMAN TECH CO LTD [KR]
• CN 2625959 Y 20040714 - YEN SUN TECHNOLOGY CORP [CN]
• CN 2461058 Y 20011121 - SHENDA COMP CO LTD [CN]
• CN 2625958 Y 20040714 - YEN SUN TECHNOLOGY CORP [CN]
• CN 2668903 Y 20050105 - CHEN ZHENGANG [CN]
• CN 2627262 Y 20040721 - YEN SUN TECHNOLOGY CORP [CN]
• CN 2668903 K5

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DE102008032439A1; CN104791271A; CN103470537A; DE102012111640A1; CN103851557A; EP3511593A1; EP3079035A1; CN106151106A; US10247221B2; US9593836B2; DE102011103571A1; WO2008128593A1; WO2011075963A1; DE202023105352U1; DE102022110439A1; WO2023208587A1

Designated contracting state (EPC)
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DOCDB simple family (application)
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