

Title (en)
COOLING DEVICE FOR WORKING MACHINE

Title (de)
KÜHLVORRICHTUNG FÜR ARBEITSMASCHINE

Title (fr)
SYSTÈME DE REFROIDISSEMENT POUR ENGINE DE CHANTIER

Publication
EP 1826373 A4 20090114 (EN)

Application
EP 05768786 A 20050802

Priority
• JP 2005014068 W 20050802
• JP 2004365112 A 20041216

Abstract (en)
[origin: EP1826373A1] An object of the present invention is to provide a cooling system for a work machine including a sound insulating/flow regulating plate that is capable of coping with different types and operating conditions of a work machine. An upper cover 3a is provided above a cooling package 21 that comprises a heat exchanger unit 11 and a cooling fan 12. A side door 3b is provided at one side of the upper cover 3a and faces the cooling package 21. Upper air intake holes 6 open to the space between the side door 3b and the cooling package are formed in the upper cover 3a. Side air intake holes 7 are formed in the side door 3b, at a location adjacent to the upper cover 3a. A sound insulating/flow regulating plate 27 is swingably mounted by hinges 26 that are disposed between the upper air intake holes 6 and the side air intake holes 7. The sound insulating/flow regulating plate 27 is designed so that its inclination angle is automatically controlled to achieve a balance between wind pressures from flows of air introduced from the upper air intake holes 6 and the side air intake holes 7, thereby blocking sound generated inside the machine body and regulating the flow of air introduced from the upper air intake holes 6 and the side air intake holes 7.

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Citation (search report)
• [XY] JP H09250344 A 19970922 - HITACHI CONSTRUCTION MACHINERY
• [YA] JP 2003003849 A 20030108 - HITACHI CONSTRUCTION MACHINERY
• [Y] JP 2001214740 A 20010810 - DENSO CORP
• [Y] JP S6031594 U 19850304
• [Y] JP H0932553 A 19970204 - SUMITOMO CONSTR MACH
• [Y] JP H03220023 A 19910927 - TOYODA AUTOMATIC LOOM WORKS
• [A] KR 20010087301 A 20010915 - KOMATSU MFG CO LTD
• See references of WO 2006064588A1

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DE

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DOCDB simple family (application)
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