

Title (en)

Self-cleaning filtering device for the cooling system of an agricultural machine engine

Title (de)

Selbstreinigende Filtervorrichtung für eines Kühlsystems einer Brennkraftmaschine eines Landwirtschaftstraktors

Title (fr)

Dispositif de filtrage auto-nettoyant pour un système de refroidissement d'un tracteur agricole

Publication

EP 1099837 A1 20010516 (EN)

Application

EP 99830700 A 19991110

Priority

EP 99830700 A 19991110

Abstract (en)

A self-cleaning filtering device for the cooling system of an agricultural machine engine, comprising a heat exchange block (14) intended to receive a cooling air flow in a direction orthogonal to a front surface (30) thereof. The filtering device (32) comprises: a guide and support frame (34) carrying a net (44) in a position frontally facing said front surface (30) of the heat-exchange block (14), means (46) for cleaning the net (44), and means (42, 36, 38) for producing a relative movement between the net (44) and the cleaning means (46). <IMAGE>

IPC 1-7

F01P 11/12

IPC 8 full level

F01P 11/12 (2006.01); **F01P 11/06** (2006.01)

CPC (source: EP)

F01P 11/12 (2013.01); **F01P 2011/063** (2013.01)

Citation (search report)

- [X] DE 3416810 A1 19851128 - SCHMITT HELWIG DIPL ING
- [X] DE 1751708 A1 19710805 - KOEDEL & BOEHM GMBH
- [X] US 3309847 A 19670321 - DONALDSON DESMOND M
- [A] DE 3916920 A1 19901129 - AUDI AG [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06 28 June 1996 (1996-06-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11 30 September 1998 (1998-09-30)

Cited by

DE102012103276A1; DE102012103276B4; CN103329818A; WO2017109895A1; EP3756440A1; WO2020260517A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1099837 A1 20010516

DOCDB simple family (application)

EP 99830700 A 19991110