

Title (en)

Knocked-down fan for engine cooling and other applications.

Title (de)

Zusammengesetzter Ventilator für Maschinenkühlung und sonstige Anwendungen.

Title (fr)

Ventilateur composé pour le refroidissement d'un moteur et autres applications.

Publication

**EP 0373322 A1 19900620 (EN)**

Application

**EP 89119282 A 19891017**

Priority

JP 16081688 U 19881213

Abstract (en)

An engine cooling-system fan (10) formed by combining two fan assemblies (12, 12') of like construction. Each fan assembly (12, 12') comprises a sheet-metal hub (14) with radiating spokes (20), and a set of fan blades (16) fastened one to each spoke (20). The hubs (14) of both fan assemblies (12, 12') are riveted or otherwise joined together in axial alignment, with the two sets of fan blades (16) arranged alternately at constant angular spacings. The spokes (20) of both of the fan assemblies (12, 12') are offset to provide the same plane of rotation for the two sets of the blades (16).

IPC 1-7

**F04D 29/32**; **F04D 29/34**

IPC 8 full level

**F04D 29/32** (2006.01); **F04D 29/34** (2006.01)

CPC (source: EP)

**F04D 29/325** (2013.01); **F04D 29/34** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

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DOCDB simple family (application)

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