

Title (en)

Cooling arrangement and method for a portable air compressor

Title (de)

Kühlanordnung und Verfahren für einen tragbaren Luftkompressor

Title (fr)

Arrangement et procédé de refroidissement pour un compresseur d'air portable

Publication

EP 1693569 A1 20060823 (EN)

Application

EP 06100462 A 20060117

Priority

US 4752105 A 20050131

Abstract (en)

A portable air compressor assembly includes a tubular frame having side sections and an assembly longitudinal axis. A support plate between the side sections supports a power unit having a longitudinal axis arranged perpendicular to the assembly longitudinal axis. A compressor having a compressor head and longitudinal axis is mounted to the support plate with the compressor longitudinal axis parallel to the power unit longitudinal axis and perpendicular to the assembly longitudinal axis. A fan connected to the power unit generates an air flow. A ducted cover enclosing the fan includes an air passage directing the air flow from the fan to the compressor head. The ducted cover includes inner and outer covers each including a portion of the air passage. An air scoop extends into the outer cover portion of the air passage to redirect the air flow.

IPC 8 full level

F04B 39/06 (2006.01); **F04B 17/00** (2006.01)

CPC (source: EP US)

F04B 35/04 (2013.01 - EP US); **F04B 35/06** (2013.01 - EP US); **F04B 39/066** (2013.01 - EP US); **F04B 39/12** (2013.01 - EP US); **F04B 41/02** (2013.01 - EP US)

Citation (applicant)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1693569 A1 20060823; **EP 1693569 B1 20160113**; CA 2595595 A1 20060810; CN 1818381 A 20060816; US 2006171820 A1 20060803; US 2009202363 A1 20090813; WO 2006083741 A2 20060810; WO 2006083741 A3 20071115

DOCDB simple family (application)

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