

Title (en)
CYLINDER HEAD FOR AN AIR COMPRESSOR

Title (de)
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Title (fr)
CULASSE POUR COMPRESSEUR D'AIR

Publication
EP 3074631 A1 20161005 (DE)

Application
EP 14789795 A 20141023

Priority
• DE 102013019812 A 20131126
• EP 2014002867 W 20141023

Abstract (en)
[origin: WO2015078545A1] The invention relates to a cylinder head (10, 50, 90, 130) for an air compressor, having at least one intake duct (12, 52, 92, 132) for the intake of non-compressed air from the surroundings, and having at least one pressure duct for discharging the compressed air, and also having a cooling water duct (14, 16, 54, 56, 94, 96, 136), wherein the at least one intake duct (12, 52, 92, 132) can be closed off in pressure-tight fashion with respect to a compression chamber (22, 62, 102, 142) by means of at least one intake lamella (20, 60, 100, 140) arranged on an underside (18, 58, 98, 138) of the cylinder head. It is provided according to the invention that the at least one intake duct (12, 52, 92, 132) is surrounded in sections by a substantially concentric annular groove (26, 66, 106, 146) which is close to the intake lamella. In this way, heating of the air flowing out of the surroundings into the cylinder head (10, 50, 90, 130) via the at least one intake duct (12, 52, 92, 132) is advantageously reduced.

IPC 8 full level
F04B 39/06 (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP)
F04B 39/06 (2013.01); **F04B 39/064** (2013.01); **F04B 39/125** (2013.01)

Citation (search report)
See references of WO 2015078545A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102013019812 A1 20150528; CN 105793566 A 20160720; CN 105793566 B 20180427; EP 3074631 A1 20161005; EP 3074631 B1 20190424; WO 2015078545 A1 20150604

DOCDB simple family (application)
DE 102013019812 A 20131126; CN 201480064325 A 20141023; EP 14789795 A 20141023; EP 2014002867 W 20141023