Title (en)
    AIR COMPRESSOR CONSTRUCTION

Title (de)
    KONSTRUKTION EINES LUFTKOMPRESSORS

Title (fr)
    STRUCTURE DE COMPRESSEUR D'AIR

Publication
    EP 2955383 B1 20190501 (EN)

Application
    EP 13874732 A 20130207

Priority
    CN 2013071531 W 20130207

Abstract (en)
    [origin: EP2955383A1] An air compressor employs a piston body defining an air receiving space at a head thereof. The air receiving space extends downwardly from a top opening on the head and is bound by a bottom surface and a surrounding surface, so that when the piston body conducts reciprocating motion in the cylinder to produce compressed air being transferred to an object to be inflated, the pressure in the object will keep less than a safety pressure without requiring the air compressor to install a safety valve, and thus the manufacturing cost can be reduced to achieve economic benefits. In another embodiment, the additional advantage is that: when the piston body reaches top dead center, a space is existed between the top wall of the cylinder and the head of the piston body, so that the piston body can conduct reciprocating motion even more smoothly.

IPC 8 full level
    F04B 53/14 (2006.01); **F04B 33/00** (2006.01); **F04B 35/04** (2006.01); **F04B 35/06** (2006.01); **F04B 39/00** (2006.01); **F04B 39/12** (2006.01);
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CPC (source: EP)
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    F04B 39/125 (2013.01); **F04B 39/127** (2013.01); **F04B 41/02** (2013.01)

Cited by
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Designated contracting state (EPC)
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DOCDB simple family (publication)
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    PL 2955383 T3 20191031; WO 2014121496 A1 20140814

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