

Title (en)
AIR COOLING MACHINE

Title (de)
LUFTKÜHLMASCHINE

Title (fr)
MACHINE DE REFROIDISSEMENT D'AIR

Publication
EP 3670909 A1 20200624 (EN)

Application
EP 19215224 A 20191211

Priority
CZ 2018720 A 20181219

Abstract (en)
The invention relates to an air cooling machine comprising a compressor (1) whose inlet (11) is connected to an air outlet (92) of a cooling chamber (9) via a heat exchanger (3), whereby the compressor (1) outlet is connected to an air inlet (91) of the cooling chamber (9) via a cooler (2), the heat exchanger (3) and a turbodetander (4), the turbodetander (4) being coupled to a motor (5) of the compressor (1). Downstream of the outlet (12) of the compressor (1) is connected a bypass air conduit (61), into which is inserted a bypass valve (6), from which a continuing bypass air conduit (62) terminates downstream of an outlet (42) of the turbodetander (4), whereby a double three-way or block valve (8) is arranged at the air inlet (91) of the cooling chamber (9) and at the air outlet (92) of the cooling chamber (9), and upstream of the air outlet (92) of the cooling chamber (9) a dehumidifier (7) is arranged in the cooling chamber (9).

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Citation (applicant)
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