

Title (en)  
COMPRESSOR UNIT

Publication  
**EP 0129004 B1 19880824 (DE)**

Application  
**EP 84103237 A 19840323**

Priority  
DE 3311055 A 19830325

Abstract (en)  
[origin: EP0129004A1] 1. Compressor unit having a compressor (1), more particularly a screw compressor, with oil injection into the compression chamber for lubrication and cooling, an oil separating and collecting container provided downstream of the compressor (1), said container being subdivided into a first volume (7) and a second volume (9) connected downstream thereof via a non-return valve (8), the second volume (9) acting as a store of compressed air the pressure of which is used to switch the compressor over from unloaded idling to the loaded state, whilst the first volume (7) can be evacuated via a control valve (22) when the compressor is idling, and furthermore there is provided, on a minimum pressure valve (13), in the compressed air removal line (11) between the second volume (9) and the load, a sensor device (36) which emits a signal for switching the compressor (1) from the unloaded idling state to the loaded state when the valve body (14) is raised into the open position, when a pressure switch (30) acted upon by the delivery pressure bearing on the minimum pressure valve (13) has emitted a signal for switching the compressor into the unloaded idling state.

IPC 1-7  
**F04C 29/10**; F04C 29/02; F04C 18/16

IPC 8 full level  
**F04C 18/16** (2006.01); **F04C 28/06** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)  
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**DE 3311055 A1 19841011**; DE 3473627 D1 19880929; EP 0129004 A1 19841227; EP 0129004 B1 19880824

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