

Title (en)  
MULTI-STAGE INTEGRALLY GEARED COMPRESSOR

Title (de)  
MEHRSTUFIGER GETRIEBEVERDICHTER

Title (fr)  
COMPRESSEUR À ENGRENAGE MULTIÉTAGÉ

Publication  
**EP 2569542 A1 20130320 (DE)**

Application  
**EP 11723318 A 20110510**

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Abstract (en)  
[origin: WO2011141439A1] The invention relates to a multi-stage integrally geared compressor (2) having a first process stage (4), a second process stage (8) and a gearbox (12) by means of which the two process stages (4, 8) are coupled to each other at different rotational speeds. High efficiency of the integrally geared compressor (2) can be achieved if the gearbox (12) couples a compressor drive shaft (40, 66) to the two process stages (4, 8) at a third rotational speed, which is different from the rotational speeds of the process stages (4, 8).

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