

Title (en)
Drive turbo machine for a machine line, machine line with and drive for drive turbo machine

Title (de)
Getriebeturbomaschine für einen Maschinenstrang, Maschinenstrang mit und Getriebe für Getriebeturbomaschine

Title (fr)
Turbomachine à boîte de vitesse pour un faisceau de machines, faisceau de machines et boîte de vitesse pour une turbomachine à boîte de vitesse

Publication
EP 2128448 B1 20200624 (DE)

Application
EP 09006649 A 20090516

Priority

- DE 102008025695 A 20080529
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- DE 102008031116 A 20080701

Abstract (en)
[origin: EP2128448A2] The drive has a drive pinion pivotably connected with a drive shaft. A wheel is in contact with the drive pinion. A set of turbo-machine rotors (3.10-3.30) comprises a turbo-machine shaft for torque transmission to an impeller of a drive turbo-machine i.e. booster compressor (2). An output pinion is in contact with the drive pinion that is pivotably connected with an output shaft for driving a compressor drive shaft (4.1) of a compressor (4) i.e. main compressor, of a machine line. The compressor is separated from the drive turbo-machine. The drive shaft is coupled with the output shaft. The main compressor is a single shaft compressor such as axial-flow compressor, radial compressor with horizontal and/or vertical separation joint, radial isothermal compressor and combined axial radial compressor. Independent claims are also included for the following: (1) a drive turbo-machine for a machine line, comprising an integrated drive (2) a machine line comprising a power supply unit.

IPC 8 full level
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CPC (source: EP US)
F04D 25/02 (2013.01 - EP US); **F04D 25/163** (2013.01 - EP US); **F05D 2220/72** (2013.01 - US); **F05D 2260/40** (2013.01 - US)

Cited by
CN104662304A; EP2740941A4; EP4151835A4; DE102012018468A1; EP2711503A3; US9714658B2; DE202015000883U1; DE102015001418A1; WO2014048644A1; WO2012104153A1; DE102013208564A1; US10100837B2; US9631623B2; US11939873B2; US9752672B2; DE102012018468B4; DE102015222907A1; US10465769B2; EP2902737A2; WO2014180688A1; EP2740941A1

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