

Title (en)

Progressive start device for compressed air systems

Title (de)

Softstartvorrichtung für Druckluftsysteme

Title (fr)

Dispositif pour la mise en pression progressive d'une installation à air comprimé

Publication

EP 1645755 A3 20070905 (DE)

Application

EP 05020433 A 20050920

Priority

DE 202004015468 U 20041006

Abstract (en)

[origin: US2006070673A1] A soft start device for compressed air systems comprises a primary inlet at which compressed air at a primary pressure may be supplied, the primary inlet being connected with a secondary outlet able to be coupled with a load, by a valve circuit, at which compressed air is taken at the secondary pressure lower than or equal to the primary pressure, a principal valve placed between the primary and secondary outlet, said principal valve being able to be shunted by a bypass, a choke device being placed in the bypass, the principal valve and the choke device together with further valves of the valve circuit being connected together in a circuit and the valve circuit placed in a standard venting switching setting that the secondary outlet is vented.

IPC 8 full level

F15B 11/068 (2006.01); **F15B 20/00** (2006.01)

CPC (source: EP US)

F15B 11/068 (2013.01 - EP US); **F15B 20/008** (2013.01 - EP US); **F15B 2211/30505** (2013.01 - EP US); **F15B 2211/30535** (2013.01 - EP US); **F15B 2211/3056** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/605** (2013.01 - EP US); **F15B 2211/634** (2013.01 - EP US); **F15B 2211/6355** (2013.01 - EP US); **F15B 2211/6654** (2013.01 - EP US); **F15B 2211/75** (2013.01 - EP US); **Y10T 137/86614** (2015.04 - EP US); **Y10T 137/86928** (2015.04 - EP US); **Y10T 137/87322** (2015.04 - EP US); **Y10T 137/87917** (2015.04 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

US 2006070673 A1 20060406; **US 7699073 B2 20100420**; AT E458914 T1 20100315; DE 202004015468 U1 20050105; DE 502005009076 D1 20100408; EP 1645755 A2 20060412; EP 1645755 A3 20070905; EP 1645755 B1 20100224

DOCDB simple family (application)

US 23526005 A 20050926; AT 05020433 T 20050920; DE 202004015468 U 20041006; DE 502005009076 T 20050920; EP 05020433 A 20050920