

Title (en)

Device for adjusting the orientation of snow blowers

Title (de)

VORRICHTUNG ZUM ANPASSEN DER AUSRICHTUNG VON SCHNEEFRÄSEN

Title (fr)

Dispositif d'ajustement de l'orientation de fraises à neige

Publication

EP 2685005 B1 20220928 (DE)

Application

EP 13175587 A 20130708

Priority

DE 102012106161 A 20120709

Abstract (en)

[origin: EP2685005A2] The device has hydraulic cylinders (11, 12) provided for adjustment of slant and turning and lateral adjustment of a snow milling cutter (1). Pivot points are provided in a traveling direction. A force limiting device i.e. relief valve, is provided for the hydraulic cylinders. A tracking mechanism is provided relative to working equipments. The tracking mechanism detects a steering angle and a wheel position of the working equipments. The milling cutter is attached at a base plate (10) over a pivot (8). The base plate is connected with a working machine.

IPC 8 full level

E01H 5/09 (2006.01)

CPC (source: EP)

E01H 5/098 (2013.01)

Citation (examination)

- DE 202011107751 U1 20120201 - KAHLBACHER TONI GMBH & CO [AT]
- DE 9308498 U1 19940630 - KAHLBACHER HORST STEFAN [AT]
- DE 9212617 U1 19930609
- CH 361022 A 19620331 - SCHNEERAEUMUNGS MASCHINEN AG [CH]

Citation (opposition)

Opponent : Zaugg AG Eggiwil

- DE 2156321 A1 19720713
- WO 2011050460 A1 20110505 - MACHINERIES PRONOVOST INC [CA], et al
- US 3879866 A 19750429 - GUNDERSON RALPH R
- DE 202011107751 U1 20120201 - KAHLBACHER TONI GMBH & CO [AT]
- DE 9308498 U1 19940630 - KAHLBACHER HORST STEFAN [AT]
- DE 9212617 U1 19930609
- CH 361022 A 19620331 - SCHNEERAEUMUNGS MASCHINEN AG [CH]
- AT 356698 B 19800512 - BOMBARDIER ROTAX GMBH
- WO 0144582 A1 20010621 - BOMBARDIER INC [CA], et al
- ANONYMOUS: "Fluidtechnik -Allgemeine Regeln und sicherheitstechnische Anforderungen an Hydraulikanlagen und deren Bauteile (ISO 4413:2010)", DEUTSCHE NORM (DIN), DIN EN ISO 4413, 1 April 2011 (2011-04-01), pages 1 - 56, XP093064406

Designated contracting state (EPC)

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Designated extension state (EPC)

BA

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