

Title (en)

Guideshooter swiveling controller for snowplow.

Title (de)

Vorrichtung zum Schwenken des Auswurfkrümmers eines Schneepfluges.

Title (fr)

Dispositif d'orientation de la cheminée d'un chasse-neige.

Publication

EP 0372150 A1 19900613 (EN)

Application

EP 89105718 A 19890331

Priority

JP 16067788 U 19881209

Abstract (en)

In a snowplow which has a propelling body (1) with an engine (3) and a snow removing machine (2) with an auger (5) and a blower (6), a guideshooter swiveling controller has a swiveling mechanism (40) for swiveling a guideshooter (9) by the output of the engine. The guideshooter swiveling mechanism (40) has a clutch which consists of a bevel member and a contact rotating member with a pair of engagement taper surfaces. The guideshooter (9) is provided with a projections (37) which defines the swiveling range of the guideshooter. The clutch is connected with a rod which, when the guideshooter swivels in excess of the swiveling range, engages with the projection (37) and thereby returns the clutch to the neutral state.

IPC 1-7

E01H 5/09

IPC 8 full level

E01H 5/09 (2006.01); **A01D 43/08** (2006.01); **E01H 5/04** (2006.01)

CPC (source: EP)

E01H 5/045 (2013.01)

Citation (search report)

- [A] US 2916330 A 19591208 - DUMANOWSKI FERDINAND J
- [A] US 4549365 A 19851029 - JOHNSON DONALD L [US]
- [A] DE 1507192 A1 19691106 - DEERE & CO
- [A] CA 1130324 A 19820824 - CANADIANA GARDEN PRODUCTS INC

Cited by

EP3061869A1; US7591086B2; US11957079B2

Designated contracting state (EPC)

AT CH DE LI

DOCDB simple family (publication)

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