

Title (en)

PLOW STEEL FOR A SNOW PLOW, AND METHODS FOR MANUFACTURING AND USING SUCH A PLOW STEEL

Title (de)

PFLUGSTAHL FÜR EINEN SCHNEEPFLUG UND VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG EINES SOLCHEN PFLUGSTAHL

Title (fr)

ACIER DE CHARRUE POUR CHASSE-NEIGE, ET PROCÉDÉS DE FABRICATION ET D'UTILISATION D'UN TEL ACIER DE CHARRUE

Publication

**EP 3784836 A1 20210303 (EN)**

Application

**EP 19792556 A 20190415**

Priority

- SE 1850480 A 20180424
- SE 2019050349 W 20190415

Abstract (en)

[origin: WO2019209157A1] Plow steel (100) for a snow plow, comprising: a fastening means (110) for fastening the plow steel (100) to a snow plow; a main steel support plate (120), with a main plane extending across a width (W) and a height (H) dimension; and a surface contacting edge (130), running in the width (W) dimension along said steel support plate (120), which surface contacting edge (130) comprises a set of indentations (131) formed in the height (H) dimension in the metal support plate (120), hence forming a set of surface contacting teeth (132) along the surface contacting edge (130) and arranged between said indentations (131) along the width (W) dimension. The invention is characterised in that each of said teeth (132) comprises an insert (140) made of a wear-resistant material with better abrasive resistance than the steel material of said steel support plate (120), which inserts (140) do not cover said indentations (131) in a depth (D) dimension perpendicular to said main plane, and in that the steel support plate (120) comprises an elongated steel flange (150) covering said indentations (131) in the depth (D) dimension. The invention also relates to a manufacturing method and a use method.

IPC 8 full level

**E01H 5/06** (2006.01)

CPC (source: EP SE)

**E01H 5/061** (2013.01 - EP SE); **E01H 5/066** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019209157 A1 20191031**; CA 3098284 A1 20191031; CA 3098284 C 20240130; EP 3784836 A1 20210303; EP 3784836 A4 20210519; EP 3784836 B1 20221130; FI 3784836 T3 20230316; SE 1850480 A1 20191025; SE 541897 C2 20200102

DOCDB simple family (application)

**SE 2019050349 W 20190415**; CA 3098284 A 20190415; EP 19792556 A 20190415; FI 19792556 T 20190415; SE 1850480 A 20180424