

Title (en)

PROJECTING MEMBER FOR SHOVELS AND PORTABLE SHOVEL INCLUDING SAID PROJECTING MEMBER

Title (de)

PROJEKTIONSELEMENT FÜR SCHAUFELN UND TRAGBARE SCHAUFEL MIT DIESEM PROJEKTIONSELEMENT

Title (fr)

ÉLÉMENT EN SAILLIE POUR PELLES ET PELLE PORTATIVE COMPRENANT LEDIT ÉLÉMENT EN SAILLIE

Publication

EP 4200477 A1 20230628 (EN)

Application

EP 21806044 A 20211012

Priority

- IT 202000030959 A 20201216
- IT 2021050327 W 20211012

Abstract (en)

[origin: WO2022130425A1] The invention relates to a device which is connectable to the handle of a brush cutter in place of the cutting member thereof so as to convert the brush cutter into a portable shovel, for example to remove a snow cover. Said device, which can be defined as a "projecting member", comprises a pair of blades opposite each other and integral with a shaft connectable, through a pinion set, to the shaft housed in the handle of the brush cutter. Through the shaft housed in the handle and the pinion set, the brush cutter motor, when activated, rotates the blades of the device. A casing partially wraps the blades so as to allow the latter, during a rotary motion thereof, to pick up snow from the ground and project it far from the device. Instead of a pair of blades, the device object of the invention can include a plurality of bristles, so as to act as a rotating brush. The invention also relates to a portable shovel consisting of a brush cutter comprising the projecting member object of the invention in place of the cutting member thereof.

IPC 8 full level

E01H 5/09 (2006.01); **A01D 34/90** (2006.01); **A01D 42/08** (2006.01)

CPC (source: EP)

A01D 42/08 (2013.01); **E01H 5/098** (2013.01); **A01D 34/90** (2013.01)

Citation (search report)

See references of WO 2022130425A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022130425 A1 20220623; EP 4200477 A1 20230628; IT 202000030959 A1 20220616

DOCDB simple family (application)

IT 2021050327 W 20211012; EP 21806044 A 20211012; IT 202000030959 A 20201216