

Title (en)

SKATE BLADE SHARPENING SYSTEM, GRINDING COMPONENT AND METHOD OF OPERATING THE SYSTEM

Title (de)

KUFENSCHÄRFUNGSSYSTEM, SCHLEIFENKOMPONENTE UND VERFAHREN ZUM BETREIBEN DES SYSTEMS

Title (fr)

SYSTÈME D'AFFÛTAGE DE LAME DE PATIN, COMPOSANT DE MEULAGE ET PROCÉDÉ DE FONCTIONNEMENT DU SYSTÈME

Publication

EP 3915724 B1 20240828 (EN)

Application

EP 21170266 A 20151023

Priority

- US 201414523483 A 20141024
- US 201414523453 A 20141024
- US 201414523476 A 20141024
- US 201414523463 A 20141024
- US 201414523407 A 20141024
- US 201414523499 A 20141024
- US 201414523489 A 20141024
- US 201562129095 P 20150306
- US 201514723564 A 20150528
- US 201514805772 A 20150722
- EP 15791149 A 20151023
- US 2015057078 W 20151023

Abstract (en)

[origin: EP3915724A1] A skate blade sharpening system used to sharpen the blades of ice skates. The skate sharpener can include a housing that includes an elongated slot for receiving the blade of an ice skate for sharpening, and clamp jaws for retaining the skate. The housing can include at least one slot cover to engage the skate blade. Engagement of the skate blade can be sensed by a controller to enable sharpening operations to proceed. The skate blade sharpening system can automatically operate a grinding wheel and move the rotating grinding wheel back and forth along the lower face of the skate blade a desired number of times to sharpen the skate blade.

IPC 8 full level

A63C 1/42 (2006.01); **B24B 3/00** (2006.01); **B24B 9/04** (2006.01); **B24B 49/10** (2006.01); **B24B 49/18** (2006.01); **B24B 51/00** (2006.01)

CPC (source: EP)

A63C 1/42 (2013.01); **B24B 3/003** (2013.01); **B24B 9/04** (2013.01); **B24B 49/10** (2013.01); **B24B 49/186** (2013.01); **B24B 51/00** (2013.01)

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

DOCDB simple family (publication)

EP 3915724 A1 20211201; **EP 3915724 B1 20240828**; EP 3209459 A2 20170830; EP 3209459 B1 20210428

DOCDB simple family (application)

EP 21170266 A 20151023; EP 15791149 A 20151023