

Title (en)

In line sliding surface forming apparatus for schanze, groove forming apparatus for in line sliding surface, in line sliding surface adjusting method, and groove forming method

Title (de)

Spurformvorrichtung für Skischanze, und Verfahren zum Ausrichten und Formen der Spur

Title (fr)

Dispositif et procédé pour former des rainures dans une surface de glisse de tremplin de ski et méthode d'ajustement de ces rainures

Publication

**EP 0735196 A1 19961002 (EN)**

Application

**EP 96104745 A 19960326**

Priority

- JP 7270395 A 19950330
- JP 29258895 A 19951110
- JP 5519996 A 19960312

Abstract (en)

An in line sliding surface forming apparatus for a schanze comprises a cable extending along two parallel rails (2) disposed on both sides of the in line sliding surface (1) for the schanze, an in line unit (4) for traveling on the guide rails (2), a snow removing/pressing plate (5) disposed at a lower edge portion on a valley side of the in line unit and adapted for removing excessive snow on the in line sliding surface and for pressing and smoothing the remaining snow on the in line sliding surface, the snow removing/pressing plate (5) being raised and lowered, two rotating cutters (6) disposed at upper edge portions on a mountain side of the in line unit (4) and adapted for forming two parallel approach grooves (7) along the in line sliding surface being pressed and smoothed, an in line unit driving unit (16) disposed on the in line unit (4), linked with the cable (3), and upward and downward traveled along the in line sliding surface, and a rotating cutter driving unit for driving the rotating cutters (6), wherein the in line unit is upward and downward traveled through the cable so as to form the in line sliding surface. <IMAGE>

IPC 1-7

**E01H 4/02**

IPC 8 full level

**A63C 19/10** (2006.01); **E01H 4/02** (2006.01)

CPC (source: EP KR)

**A63C 19/10** (2013.01 - KR); **E01H 4/02** (2013.01 - EP); **E01H 4/023** (2013.01 - KR)

Citation (search report)

- [A] US 3692119 A 19720919 - TUCKER JASPER J
- [A] FR 2502020 A1 19820924 - KEMPF & CO AG [CH]

Cited by

EP2876210A1; DE102013018409B3; CN110952491A

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