

Title (en)
Levelling apparatus for attaching to an attachment frame on the front of a selfpropelled vehicle

Title (de)
Planiereinrichtung zum frontseitigen Anbau an den Anbaurahmen eines Antriebsfahrzeuges

Title (fr)
Dispositif de nivellement installé au chassis de fixation à l'avant d'un véhicule automoteur

Publication
EP 0623707 B1 19970305 (DE)

Application
EP 94810257 A 19940504

Priority
CH 139393 A 19930506

Abstract (en)
[origin: EP0623707A2] The subject of the invention is a levelling apparatus for attaching to an attachment frame (4) on the front or the rear of a self-propelled vehicle (1) for the preparation of cross-country ski runs, ski pistes or snowmobile trails and also for roughening or breaking up hard snow and layers of ice on footways, roadways or walking paths, comprising a framework construction (20) which is pivotable about a horizontal axis running transversely to the direction of travel, with a front support (29), and a cutting device (40) for cutting open and/or comminuting the covering of snow or ice, a rear support (2) for the framework construction being provided. In the case of the levelling apparatus according to the invention, the framework construction (20) is articulated on the attachment frame (4) or a transverse beam (8), in such a way that the self-propelled vehicle (1) itself forms the rear support of the framework construction (20). <IMAGE>

IPC 1-7
E01H 4/02; **E01H 5/12**

IPC 8 full level
E01H 4/02 (2006.01); **E01H 5/12** (2006.01)

CPC (source: EP)
E01H 4/02 (2013.01); **E01H 5/12** (2013.01)

Cited by
CN110184986A; DE29500818U1; CN105937215A; CN112878266A; WO9935338A1; WO9622425A1

Designated contracting state (EPC)
AT CH DE FR IT LI SE

DOCDB simple family (publication)
EP 0623707 A2 19941109; **EP 0623707 A3 19950104**; **EP 0623707 B1 19970305**; AT E149598 T1 19970315; CA 2122850 A1 19941107; DE 59401877 D1 19970410

DOCDB simple family (application)
EP 94810257 A 19940504; AT 94810257 T 19940504; CA 2122850 A 19940504; DE 59401877 T 19940504