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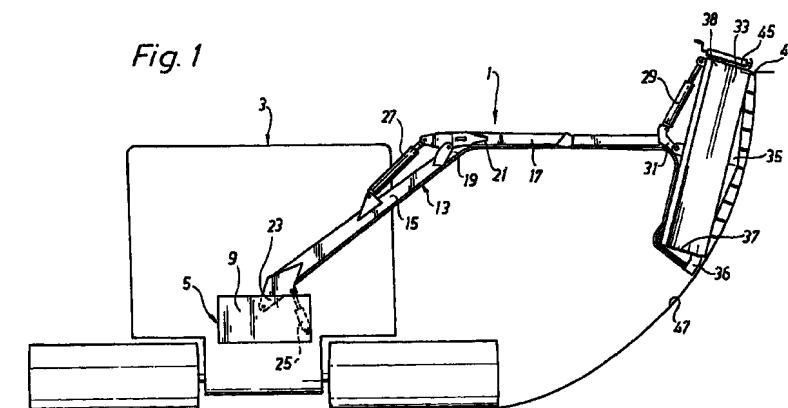
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(54) **Device, working roll and method for working snow**

(57) The invention relates to a device for forming a curved snow surface. The device (1) comprises an arm (13) which has at least two subarms (15, 17), which are hingedly interconnected for relative angling thereof in one plane, a connecting means (5) fixed to one end (23) of the arm and adapted to connect the device to a piste vehicle, a holder (43) which is hingedly fixed to the other end (31) of the arm for angling, in said plane, the holder in relation to the arm, and a working roll (35) which is rotatably suspended from the holder and is rotatable

about its own axis which is parallel with said plane. The circumferential surface of the working roll is provided with working projections (43) which are designed and arranged in such manner that their tips, as the working roll rotates, touch a fictitious, spool-shaped surface surrounding the roll.

The invention also concerns a method and a working roll for forming a curved snow surface.



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EUROPEAN SEARCH REPORT

Application Number
EP 98 85 0092

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	"SNOW-TURBO PRODUCTS ALWAYS "IN FRONT" INTERNATIONALE SEILBAHN RUNDSCHAU REVUE INTERNATIONALE DES TELEPHERIQUES, no. 3, 1 April 1997 (1997-04-01), page 53 XP000688282 * the whole document *	1,9	E01H4/02
A	DE 22 44 385 A (FENDT & CO XAVER) 14 March 1974 (1974-03-14) * the whole document *	1,3,5,9	
A	EP 0 682 856 A (ORSI) 22 November 1995 (1995-11-22)		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E01H A01D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 2 November 1999	Examiner Dijkstra, G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 85 0092

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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02-11-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 2244385 A	14-03-1974	NONE	
EP 682856 A	22-11-1995	IT B0940220 A	16-08-1994