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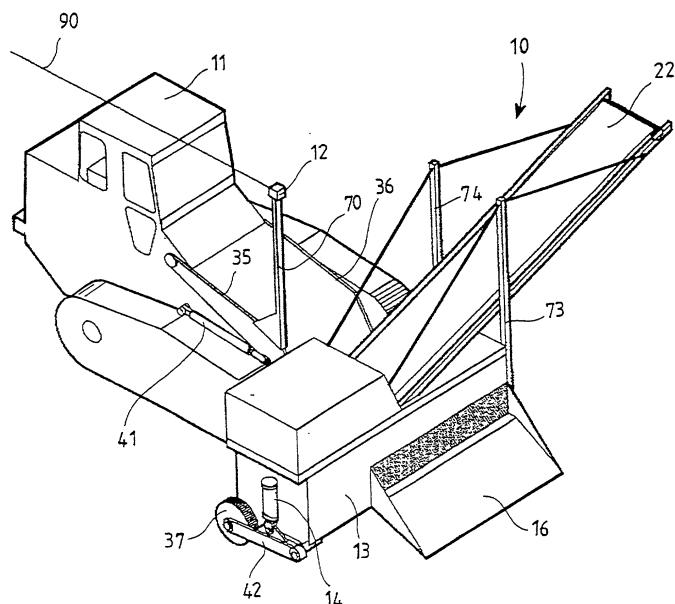
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(54) Salt-collecting device

(57) A device for the collection of salt, comprises a set of conveyor belts (21, 22) and a shovel (16) for digging and collecting the salt (30). The special characteristic of the invention lies in the fact that the shovel (16) for digging and collecting the salt (30) is combined with

a supporting structure (13) which can be connected to a motor machine (11) by means of articulation mechanisms (35, 36, 15), and in the fact that devices are linked to the digging and collecting shovel (16) for regulating its working position, operating by means of a signal (90) indicating a reference quota.

Fig.4



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EUROPEAN SEARCH REPORT

Application Number

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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.7)
Y	GB 2 156 776 A (KRUPP GMBH) 16 October 1985 (1985-10-16) * page 1, line 45 - line 50 * * page 1, line 90 - line 107 * -----	1-3, 7-9	E02F3/84 E02F7/02
Y	CH 562 930 A (EBERHARD GEB) 13 June 1975 (1975-06-13) * the whole document * -----	1-3, 7-9	
Y	DE 35 09 671 A (WIRTGEN REINHARD) 25 September 1986 (1986-09-25) * page 6 * -----	2, 3, 8	
A	EP 0 797 075 A (TOPCON CORP) 24 September 1997 (1997-09-24) * column 5, line 24 - line 35 * * column 5, line 54 - column 6, line 4 * -----	1	
A	US 4 184 581 A (CRAWSHAY RICHARD ET AL) 22 January 1980 (1980-01-22) * column 3, line 36 - line 57 * * column 6, line 10 - line 18 * -----	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7) E02F E21C
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	30 October 2003	Garrido Garcia, M	
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 00 10 8533

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-10-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2156776	A	16-10-1985	DE	3412829 A1	31-10-1985
			FR	2562524 A1	11-10-1985
			JP	60226921 A	12-11-1985
CH 562930	A	13-06-1975	CH	562930 A5	13-06-1975
DE 3509671	A	25-09-1986	DE	3509671 A1	25-09-1986
EP 0797075	A	24-09-1997	JP	9257472 A	03-10-1997
			DE	69722992 D1	31-07-2003
			EP	0797075 A2	24-09-1997
			US	5917593 A	29-06-1999
US 4184581	A	22-01-1980	CA	1077893 A1	20-05-1980