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(54) **PIECE OF EQUIPMENT FOR THE PREPARATION OF A CONCRETE MIX**

(57) Piece of equipment (1) for the preparation of a concrete mix comprising:
- a load-bearing frame (2);
- at least one collection container (3) for collecting inert material associated with the load-bearing frame (2);
- first containment means (4) of a first concrete material associated with the load-bearing frame (2);
- at least one mixing tank (5) associated with the load-bearing frame (2), provided with mixing means of the

materials to obtain a fluid concrete mixture;
- transferring means (6) of the inert material from the collection container (3) to the mixing tank (5);
- first extraction means (7) adapted to convey the first concrete material from the first containment means (4) to the mixing tank (5); and
- dispensing means (10) of the fluid concrete mixture communicating with the mixing tank (5).

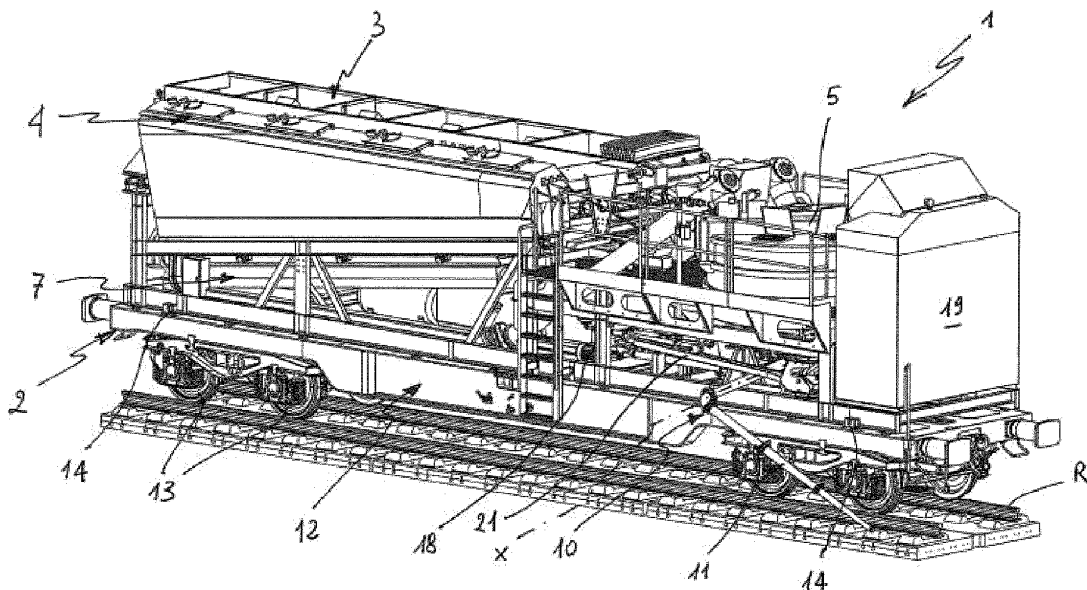


Fig. 1

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EUROPEAN SEARCH REPORT

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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 (IPC)
X	US 2016/136663 A1 (SMITH MICHAEL DAVID [US]) 19 May 2016 (2016-05-19) * paragraphs [0018], [0020] * * figures 1, 2 *	1, 2, 6, 7	INV. B28C9/04 B28C5/42 B28C7/16
X	GB 2 503 005 A (NUROCK MIXERS LTD [GB]) 18 December 2013 (2013-12-18) * page 4, lines 7-23 * * page 5, lines 19-24 * * page 6, lines 1-7, 22-24 * * page 7, lines 1-2 * * figures 1, 3 *	1-3, 6, 7	
X	US 2010/238758 A1 (JONES GRAHAM ANTHONY [GB]) 23 September 2010 (2010-09-23) * paragraphs [0050], [0052], [0058] * * figures 1, 2 *	1, 3, 6	
X	EP 0 192 234 B1 (BHS BAYERISCHE BERG [DE]) 15 May 1991 (1991-05-15) * column 4, lines 10-32 * * column 7, lines 1-7 * * column 9, lines 32-36 * * figure 1 *	1-3, 6	TECHNICAL FIELDS SEARCHED (IPC) B28C
X	CN 201 249 486 Y (JINWEN ZHU [CN]) 3 June 2009 (2009-06-03) * the whole document *	1, 3, 6	
A	US 3 107 901 A (ZIMMERMAN HAROLD M) 22 October 1963 (1963-10-22) * column 5, lines 25-37, 46-49 * * column 6, lines 30-37 * * figure 8 *	1-3, 6, 7	
-The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 27 November 2024	Examiner Papakostas, Ioannis
CATEGORY OF CITED DOCUMENTS 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		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	



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1 - 3, 6, 7

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3, 6, 7

Piece of equipment for the preparation of a concrete mix according to claim 1, comprising a transport device with wheels movable on rails, wherein the load-bearing frame has removable anchoring means to the transport device.

2. claims: 4, 5

Piece of equipment for the preparation of a concrete mix according to claim 1, comprising second containment means, the first and second containment means being arranged on opposite sides of the collection container, all containers being in particular elongate and parallel to each other.

3. claim: 8

Piece of equipment for the preparation of a concrete mix according to claim 1, wherein the dispensing means comprise one or more level sensors of the conductive type.

4. claims: 9-13

Piece of equipment for the preparation of a concrete mix according to claim 1, wherein the mixing tank comprises a second, separate draining port.

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

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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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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82