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⑤④ **Method of producing concrete in a mobile concrete station.**

⑤⑦ The invention refers to a method of producing concrete in a mobile computer controlled concrete station (22) for the production of concrete mixtures, comprising cement, aggregate material of gravel and sand, and water, with or without superplasticizers. In the concrete station, that is realized for computer control of the mixing processes, the aggregate material is supplied to a telescopic sorter device (2) for screening and distributing the aggregate material according to size to a plurality of collecting cells (3). A system of trap doors (4) and valves (5) in co-operation with electronic equipment for the weighing of the aggregate material in exact proportions by means of a weighing drum (6), is computer controlled. The content of the weighing drum (6) is transferred to a mixer drum (7) by pneumatic means. A preprogrammed amount of water, and, if desired, amounts of superplasticizers are supplied from tanks (12) to the mixer drum through pipes. The mixer drum is provided with means for electric measurement of the ZETA-potential difference or of the conductivity in the cement paste. Using these measuring quantities and nominal values for water and for the used kind of superplasticizers, the consistency of the mix can be controlled through computer controlled supply of water and superplasticizers under due observance of said nominal values.

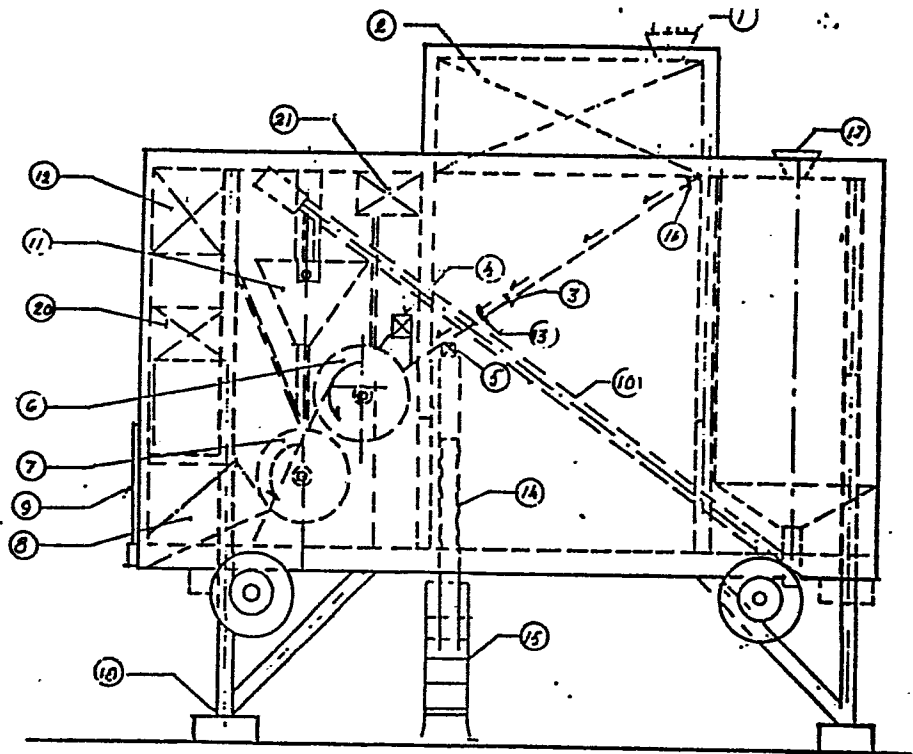


FIG. 2.



European Patent
Office

EUROPEAN SEARCH REPORT

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Application number

EP 85 85 0157

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 4)
Y	US-A-2 587 531 (SAXE) * Column 10, line 70 - column 11, line 4; figures *	1	B 28 C 9/04 B 28 C 7/12
Y	--- US-A-2 954 215 (WARMKESSEL) * Column 5, line 66 - column 6, line 18; figures *	1	
A	--- US-A-2 750 144 (BECKWITH) * Column 10, lines 5-29; figures *	2,3	
A	--- US-A-2 968 463 (NOBLE)		
A	--- US-A-3 186 596 (BADGETT)		
A	--- US-A-4 397 561 (STRONG)		TECHNICAL FIELDS SEARCHED (Int. Cl 4) B 01 F B 28 C G 05 D
A	--- DE-B-1 188 915 (HEISE)		

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-11-1986	Examiner PEETERS S.

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
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T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
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