

PatBase - Search results 10 August 2017

Search query (1): TAC=((batch* W3 plant) near (mobile OR movable OR displac*)) and PD<20140207 and IC=(B28C7* OR B65D)

Results: 32

Search history

Search 1: TAC=((batch* W3 plant) near (mobile OR movable OR displac*)) and PD<20140207 and IC=(B28C7* OR B65D) (Results 32)

Title: PORTABLE BATCHING PLANT

Abstract: Source: US3049248A (Claim 1) 1. In a portable **batching plant**, a **mobile** aggregate unit comprising means for storing and matching materials, an elevator for receiving and elevating the batched material to truck delivery height, said elevator having a head section normally extending above the road clearance level, a boot section movably mounted to said unit for up and down movement, said head section being pivoted to the unit, cam means fixed to pivot with said head section, elevating means connected to said boot section and to said cam means for elevating said boot section when the head section is lowered and to lower the boot section when the head section is raised, said boot section serving as a counterbalance for the head section.

Classifications:

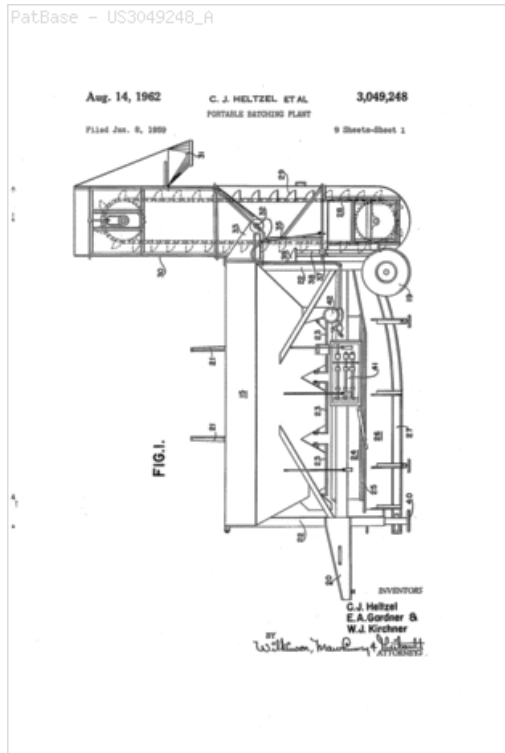
International (IPC 8-9): B28C7/04 (Advanced/Invention);
B28C7/00 (Core/Invention)

International (IPC 1-7): B28C7/06

CPC: B28C7/049

European: B28C7/04P2B

US: 414/21 414/332 414/502

**Family:**

Publication number	Publication date	Application number	Application date
US3049248 A	19620814	US19590785662	19590108

Priority:

US19590785662 19590108

Probable Assignee: HELTZEL STEEL FORM AND IRON CO

Assignee(s): (std): HELTZEL STEEL FORM AND IRON CO

Assignee(s): THE HELTZEL STEEL FORM AND IRON CO

Inventor(s): (std): KIRCHNER WILLIAM J ; HELTZEL CARL J ; GARDNER ERNEST A

Title: **MOBILE BATCHING PLANT**

Abstract: Source: GB973235A 973,235. Tank vehicles. R. E. HELTZEL. April 25, 1962 [May 2, 1961; April 5, 1962], No. 16716/62. Heading B7B. [Also in Divisions B1, B8 and G1] In a **mobile batching plant** aggregate is transported in a storage bin 20 having three separate compartments 21, 22, 23 mounted on a frame 24 having a rear supporting wheel assembly 25 and provided at its forward end with a fifth wheel or other detachable connection 26 to a truck tractor 27.

Classifications:

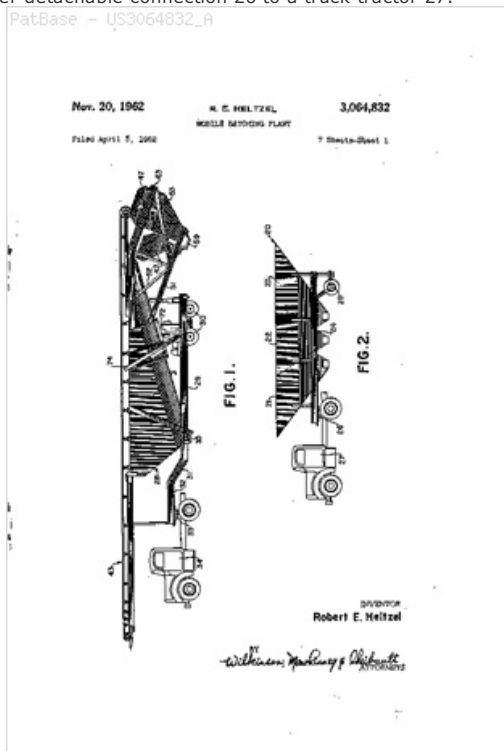
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International (IPC 1-7): B28C7/00 B28C7/04 B65G3/04

CPC: B28C7/0481 Y10S366/606 B28C7/0495

European: B28C7/04P B28C7/04P2B2

US: 198/547 198/568 222/134 366/19 366/606 414/21 414/332



Family:

Publication number	Publication date	Application number	Application date
CH389485 A	19650315	CH19620005280	19620502
GB973235 A	19641021	GB19620015716	19620425
NL6602809 A	19660825	NL19660002809	19660304
US3064832 A	19621120	US19620191656	19620405

Priority:

US19610107101 19610502 US19620191656 19620405

Probable Assignee: HELTZEL ROBERT EUGENE

Assignee(s): (std): HELTZEL ROBERT E ; HELTZEL ROBERT EUGENE ; ROBERT EUGENE HELTZEL

Inventor(s): (std): ROBERT EUGENE HELTZEL ; HELTZEL ROBERT E

Inventor(s): EUGENE HELTZEL ROBERT

Title: Towable mobile dosing and mixing plant with forced mixer and device for shortening the mixing cycle time

Abstract: Source: GB1038574A 1,038,574. Concrete mixers. D.DOMENIGHETTI. April 9,1964 [Aug. 7,1963], No. 14628/64. Heading B1C. [Also in Division G1] In a **mobile batchweighing** and mixing **plant**, a driven concrete mixer 7 is disposed on a weighing device 10 immediately beneath feed openings for the constituents so that weighing and mixing may be effected simultaneously and also doing transfer of the mixer from a weighing to a discharge position. Cement from a tippable silo 5 is weighed by a device 8 and introduced into the mixer independently of the remaining dry materials, which are fed successively by e.g. a radial drag-line device 17 to members 4 and are weighed by the device 10 as they are introduced into the mixer 7. Water is added by conventional means (not shown), and the mixer has counter-rotating paddles (not shown) mounted on horizontal shafts 21. After weighing has been completed the mixer is lifted for discharge by arms 12,14 operated respectively by pneumatic cylinders 13,15 and is pivoted about an axis 26 by a rope 28 connected to the plant frame 1 to ensure complete emptying.

Classifications:

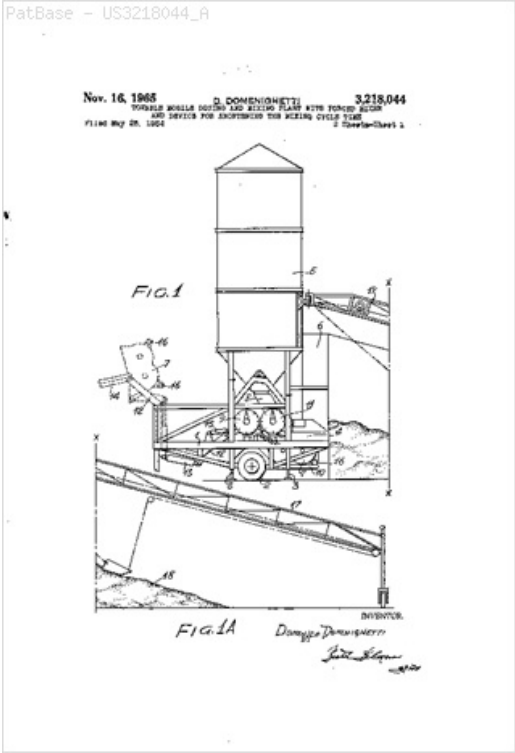
International (IPC 8-9): B28C5/14 B28C7/04 B28C7/08
B28C9/04 (Advanced/Invention);
B28C5/00 B28C7/00 B28C9/00 (Core/Invention)

International (IPC 1-7): B28C5/14 B28C7/00 B28C7/04 B28C7/08

CPC: B28C5/141 B28C7/0427 B28C7/0436 B28C7/0811 B28C9/0436

European: B28C5/14A B28C7/04C1 B28C7/04C4 B28C7/08D
B28C9/04D

US: 366/18 366/66



Family:

Publication number	Publication date	Application number	Application date
BE647199 A	19640817		19640428
CH392357 A	19650515	CH19630009903	19630807
GB1038574 A	19660810	GB19640014628	19640409
US3218044 A	19651116	US19640369811	19640525

Priority:

CH19630009903 19630807

Probable Assignee: DOMENIGHETTI DOMENICO

Assignee(s): (std): DOMENICO DOMENIGHETTI ; DOMENIGHETTI DOMENICO

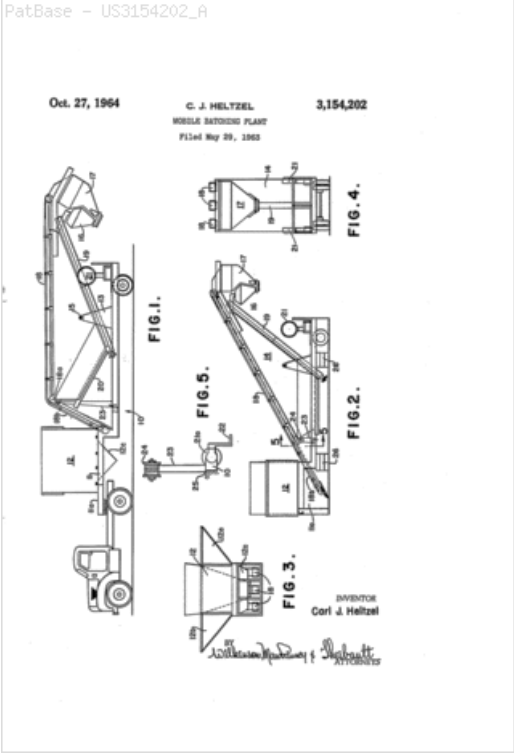
Inventor(s): (std): DOMENICO DOMENIGHETTI

Inventor(s): DOMENIGHETTI DOMENICO

Title: **MOBILE BATCHING PLANT**

Abstract: Source: US3154202A (Claim 1) 1. A **mobile batching plant** comprising (a) an elongated rectangular base frame having means by which it may be moved from one site to another, (b) a rocker unit mounted on said base frame, (c) a cement Storage bin of varying depth having its greatest depth at approximately the pivot point of the rocker unit and being carried by said rocker unit, (d) aggregate conveyor means carried by said unit in a 30 generally horizontal position for transport and mov-able to an inclined position when the unit is erected, (e) cement conveyor means on said unit in communication with the Storage bin, (/) cement and aggregate batchers supported on and 35 movable with the unit in position to receive cement and aggregate from the conveyor means by gravity flow when the plant is in the erect position, and (g) aggregate Storage bin means carried by said rectangular base frame with the major axis of the bin 40 normal to the longitudinal axis of the base frame unit and with the discharge mouths of the aggregate bins adapted to be in registry with the aggregate con-veyors when the cement Storage bin and aggregate conveyors are in the plant erect position.

Classifications:
International (IPC 8-9): B28C7/04 (Advanced/Invention); B28C7/00 (Core/Invention)
International (IPC 1-7): B28C7/00
CPC: Y10S366/606 B28C7/0495
European: B28C7/04P2B2
US: 366/38 366/606 366/62 414/21 414/332



Family:

Publication number	Publication date	Application number	Application date
US3154202 A	19641027	US19630284039	19630529

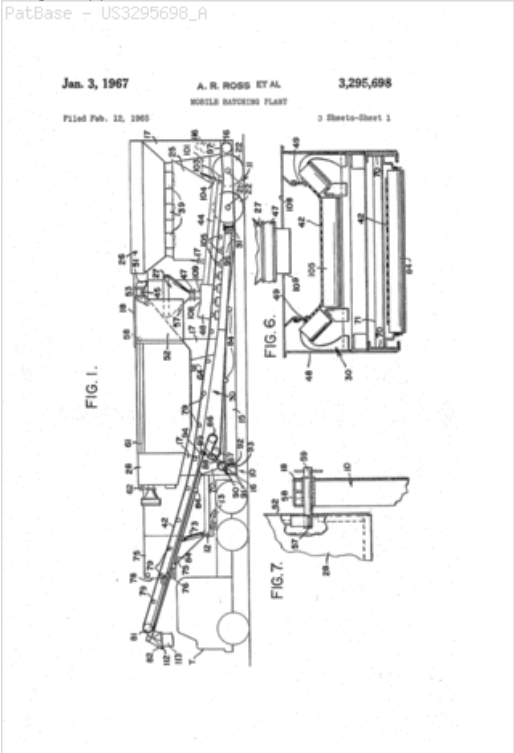
Priority:
US19630284039 19630529

Probable Assignee: HELTZEL CARL J
Assignee(s): (std): HELTZEL CARL J
Inventor(s): (std): HELTZEL CARL J

Title: **MOBILE BATCHING PLANT**

Abstract: Source: US3295698A (Claim 1) A **mobile batching plant** for receiving, weighing, and blending the ingredients of concrete and delivering the same in pre-selected quantities comprising a frame including spaced upper and lower longitudinal members, said frame having rear transverse axles provided with ground engaging wheels and having forwardly a fifth wheel bracket adapted for attachment to a tractor and towing of the plant as a semitrailer, an endless belt conveyor having a lower loading section between the lower members of said frame at the rear thereof and an inclined section projecting forwardly from said frame over said fifth wheel bracket and having an elevated discharge end at the forward end of the plant, said conveyor including a lower tail pulley carried by said frame rearwardly of said axles and an endless belt having upper and lower runs supported respectively above and below said axles, aggregate weigh hoppers supported by said frame immediately over said belt conveyor loading section at the rear of the plant, aggregate receiving bins supported within and reinforcingly connecting the upper frame members over said weigh hoppers, a cement weigh hopper supported by said frame over the belt conveyor loading section at approximately the center of the frame, and a cement receiving bin having pivotal support connections to said frame near said cement weigh hopper, said bin having means engageable with said frame members for its support in a lower position immediately above said belt conveyor and means for pivoting the bin to and securing the same in an upright operative position above said cement weigh hopper.

Classifications:
International (IPC 8-9): B28C7/04 (Advanced/Invention); B28C7/00 (Core/Invention)
International (IPC 1-7): B28C7/06
CPC: Y10S366/606 B28C7/049
European: B28C7/04P2B
US: 177/136 177/59 177/70 366/186 366/19 366/606 414/21



Family:

Publication number	Publication date	Application number	Application date
US3295698 A	19670103	US19650432205	19650212

Priority:

US19650432205 19650212

Probable Assignee: REX CHAINBELT INC
Assignee(s): (std): REX CHAINBELT INC
Assignee(s): REXWORKS INC ; REXWORKS INC A CORP OF DE
Inventor(s): (std): CHARLES SCHROEDL ; ROSS ARNOLD R ; STREHLOW ROBERT W
Inventor(s): SCHROEDL CHARLES

Title: MOBILE CONCRETE BATCHING UNIT

Abstract: Source: US3343688A (Claim 1) 1. A **mobile** concrete **batching plant** comprising an elongated rectangular frame, wheels mounted at one end of said frame supporting said end of said unit on the road, means at the other end of said frame for removably g_ connecting said frame to a tractor, aggregate bins mounted on said frame over said wheels, a weigh batcher beneath said bins, a conveyor extending beneath said weigh batcher and extending within and to said other end of said frame, a chute mounted adjacent the top of and ^o on said other end of said frame receiving aggregate from said conveyor for discharge into a concrete mixer, a silo frame pivotally mounted on said other end of said frame and extending within said frame when in lowered position, a cement silo carried by said silo frame, hydraulic piston means extending between said frame and said silo frame for raising said silo frame and said silo to vertical position, means for loading said silo with cement, a cement weigh batcher mounted on said silo frame and receiving cement from said silo and discharge means for said cement weigh batcher discharging cement directly into said chute.

Classifications:

International (IPC 8-9): B28C7/04 (Advanced/Invention); B28C7/00 (Core/Invention)

International (IPC 1-7): B28C7/00

CPC: Y10S366/606 B28C7/049

European: B28C7/04P2B

US: 366/18 366/606 414/21



Family:

Publication number	Publication date	Application number	Application date
US3343688 A	19670926	US19660577382	19660906

Priority:

US19660577382 19660906

Probable Assignee:

Assignee(s): (std):

Inventor(s): (std):

Inventor(s):

HARSCO CORP

HARSCO CORP

ARNOLD ROSS

ROSS ARNOLD

Title: Portable batching and mixing plant

Abstract: Source: GB1128501A 1,128,501. Concrete mixing plant. WINGET Ltd. March 29, 1966 [March 31, 1965], No. 13613/65. Heading G1W. [Also in Division B1] A **mobile** concrete **batching plant** comprises a wheeled trailer chassis 1 with an electricallydriven annular pan mixer 4 mounted on a runway 6 inclined at 30 degrees, for movement by hydraulic jacks 6A between a lower, charging position and an upper, discharging position. Cement is supplied from a silo 18 by a screw conveyer 20 and a weigh hopper 19; sand and aggregate by a pair of endless bucket conveyers as at 9 and weigh hoppers 7 with hydraulically operated discharge doors 8; water is metered from a tank 25, Fig. 2 (not shown). The chassis may be raised in jacks (1A, Fig. 1 not shown). The bucket conveyers are pivoted to the chassis at 16 to seep an arc Fig. 4 (not shown). In transportation the cement silo and screw conveyer may be loaded on the towing vehicle. A controller 26 with extension hand-held push-button control (not depicted) enables all operations to be initiated by a single operator and provides automatic recycling of the weighing cycle if required.

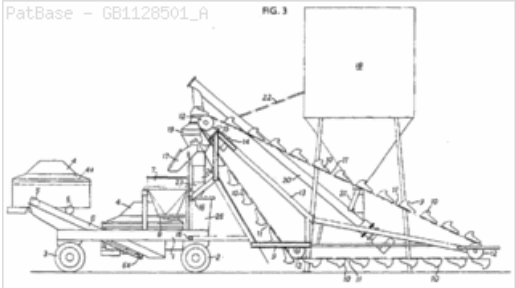
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International (IPC 1-7): B28C5/08 B28C7/04 B28C7/06 B28C7/10

CPC: B28C7/0811 B28C9/0436

European: B28C7/08D B28C9/04D



Family:

Publication number	Publication date	Application number	Application date
GB1128501 A	19680925	GB19650013613	19650331

Priority:

GB19650013613 19650331

Probable Assignee: WINGET LTD

Assignee(s): (std): WINGET LTD

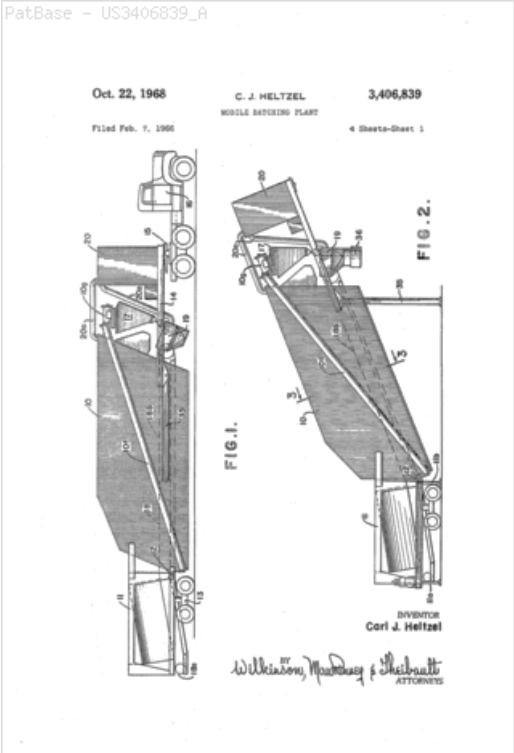
Assignee(s): WINGET LIMITED

Inventor(s): (std): HARDING JOHN CEDRIC ; NICHOLSON ANTHONY JOHN

Title: **Mobile batching plant**

Abstract: Source: US3406839A (Claim 1) 1. For use with an over-the-highway transport tractor unit, a cement and aggregate batching unit comprising: (a) an aggregate batching unit mounted on wheels for over-the-highway transport, (b) cement Storage unit pivotally connected to said aggregate batching unit and adapted to be elevated at its forward end at the job site, (c) conveyor means carried by both said aggregate batching unit and cement Storage unit and having a portion thereof extending beneath said aggregate batching unit and a portion passing beneath said cement Storage unit, (d) cement weighing and aggregate collecting hoppers carried by said cement Storage unit and being positioned to receive batch cement from said cement unit and aggregate from the conveyor means, (e) transport frame means secured to said cement Storage unit and extending forwardly of said cement Storage unit for connection in the lower position of said cement Storage unit, to a tractor unit for transport from one site to another, and (f) ae cement Storage unit substantially rectangular in vertical Cross-section having an aggregate conveyor tunnel through the bottom thereof, three of the four sides of which protect aggregate carried by conveyor from the elements.

Classifications:
International (IPC 8-9): B28C7/04 (Advanced/Invention); B28C7/00 (Core/Invention)
International (IPC 1-7): B28C7/00 B65G3/04
CPC: B28C7/0495
European: B28C7/04P2B2
US: 414/21



Family:

Publication number	Publication date	Application number	Application date
US3406839 A	19681022	US19660525525	19660207

Priority:
US19660525525 19660207

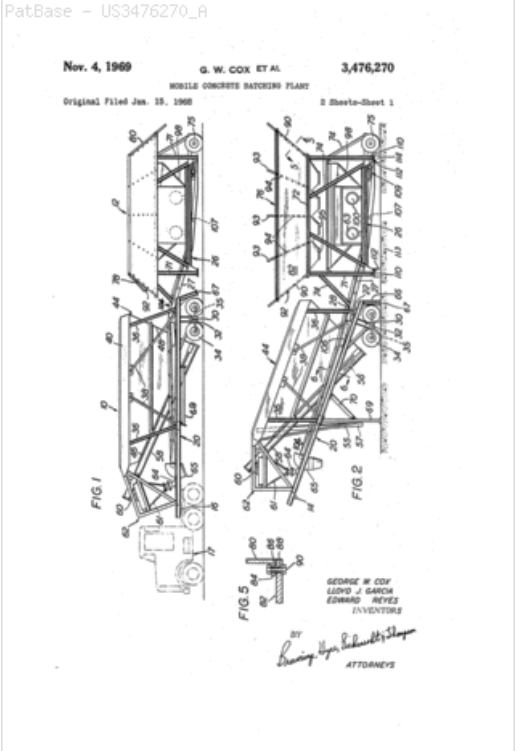
Probable Assignee:
Assignee(s): (std):
Assignee(s):
Inventor(s): (std):

HELTZEL CARL J
HELTZEL CARL J
CARL J HELTZEL
HELTZEL CARL J

Title: **MOBILE** CONCRETE **BATCHING** **PLANT**

Abstract: Source: US3476270A ABSTRACT OF THE DISCLOSURE
A plural component plant such as a **mobile** concrete **batching plant** formed of two semi-trailers connected together in trailing relation and transportable from site to site by connection to a tractor. Components such as a cement silo, a screw conveyor, a weighing apparatus and a common cement and aggregate discharge are mounted on the first semi-trailer. The second semi-trailer has other components such as an aggregate weighing bin or batcher and aggregate discharge mounted in the lower portion, and an aggregate bin having hinged end and side walls mounted in the top portion. The first semi-trailer is provided with mounting members so that when erected to an inclined position the weight is no longer on the wheels. The second semi-trailer also has mounting members and erecting movement of the first semi-trailer moves the second semi-trailer to a position where the weight is no longer on the wheels. An endless belt conveyor extends from the aggregate discharge to the common cement and aggregate discharge and is releasable to permit the desired relative movement of the trailers in erection and transportation, and the trailers may be towed separately or in tandem as desired. B

Classifications:
International (IPC 8-9): B28C7/04 B60P3/00 (Advanced/Invention);
B28C7/00 B60P3/00 (Core/Invention)
International (IPC 1-7): B28C7/00 B65G65/30 G01G19/22
CPC: B28C7/0495 B60P3/00
European: B28C7/04P2B2 B60P3/00
US: 414/21



Family:

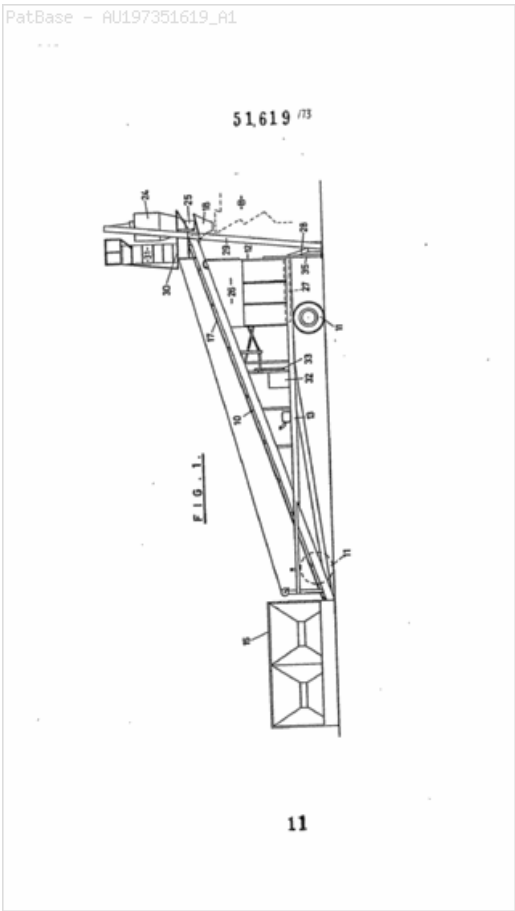
Publication number	Publication date	Application number	Application date
US3476270 A	19691104	US19680770135	19681009

Priority:
US19680770135 19681009

Probable Assignee: AGGREGATE PLANT PRODUCTS CO
Assignee(s): (std): AGGREGATE PLANT PRODUCTS CO
Inventor(s): (std): COX GEORGE W ; GARCIA LLOYD J ; REYES EDWARD
Inventor(s): GEORGE W COX ; LLOYD J GARCIA ; EDWARD REYES

Title: **MOBILE BATCHING PLANT**

Classifications:
International (IPC 8-9): B28C7/04 B28C7/06
E01C19/02 (Advanced/Invention);
B28C7/00 E01C19/02 (Core/Invention)
International (IPC 1-7): B28C7/04 B28C7/06 E01C19/02



Family:

Publication number	Publication date	Application number	Application date
AU197351619 A1	19740801	AU19730051619	19730131

Priority:

NZ19720166183 19720201

Probable Assignee:

Assignee(s): (std):

Assignee(s):

Inventor(s): (std):

Inventor(s):

DICK W
DICK W
WILLIAM DICK
DICK WILLIAM
WILLIAM DICK