
Priority Data: 11/555,658 1 November 2006 (01.1.2006) US


Title: APPARATUS AND METHOD FOR MIXING SLURRY FOR CEMENT PANELS

Abstract: A wet mixer apparatus (47) and method for its use, the mixer having a vertical mixing chamber (165) for forming a wet slurry of a cementitious slurry and water. The vertical mixing chamber is designed to provide the required amount of mixing to provide thoroughly mixed, uniformly thin slurry within a mixing residence time that allows for adequate supply of slurry to ensure continuous operation of an associated cement panel production line (10). Gravity feeding (160) for separate supply of cementitious powder and water to the slurry mixing area of the chamber without pre-mixing of the powder and water is also disclosed.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Published: (88) Date of publication of the international search report:

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<td>with international search report</td>
<td>16 October 2008</td>
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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC- B28C 5/16( 2006.01),7/10( 2006 01)

USPC: 366/18,20,35,51,65,141, 153.1, 156.1, 325.8; 156/39
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U S. : 366/18, 20, 35, 38, 51, 65, 141, 153.1, 156.1, 178.1, 178.2, 325 8, 325.92; 156/39

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST search terms: screw, auger, weight, load

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td>X</td>
<td>US 4,506,982 A (SMITHERS et al.) 26 March 1985 (26.03.1985), see entire document.</td>
<td>1-5, 8</td>
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<td>Y</td>
<td>US 5,660,466 A (HOPSON et al.) 26 August 1997 (26.08.1997), col. 3, lines 30-36; col. 3, line 51 - col. 4, line 8; col. 6, lines 26-40.</td>
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<td>Y</td>
<td>US 3,166,302 A (DIXON et al.) 19 January 1965 (19.01.1965), col. 1, line 61 - col. 2, line 5.</td>
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<td>Y</td>
<td>US 6,039,470 A (CONWELL) 21 March 2000 (21.03.2000), col. 6, lines 21-40</td>
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<td>Y</td>
<td>US 2005/0024988 A1 (HOFF et al.) 03 February 2005 (03.02.2005), paragraphs [0031], [0035] - [0036], [0041] - [0044].</td>
<td>11-12</td>
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Further documents are listed in the continuation of Box C
See patent family annex.

Date of the actual completion of the international search
31 July 2008 (31.07.2008)

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