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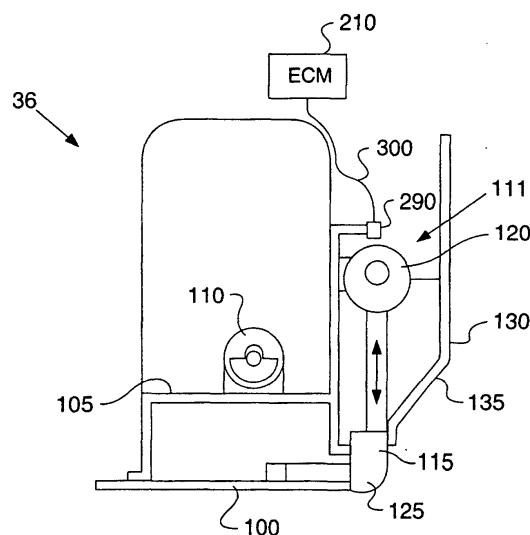
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(54) **Automatic tamping mechanism control**

(57) A control system for use with an asphalt paving machine receives inputs from an operator interface for inputting a desired tamping frequency or a desired tamping rate (tamps/ft) and a speed sensor that produces a signal indicative of the speed of the asphalt paver. The control system includes an automatic mode and when in automatic mode the system modifies the tamping frequency to better achieve a desired number of tamps per foot traveled irrespective of speed.

FIG. 2 -



EP 1 258 564 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 02 00 5497

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)
X	EP 0 493 664 A (VOEGELE AG J) 8 July 1992 (1992-07-08) * page 3, line 10 - page 5, line 13; figures * ---	1,3-5, 11-14	E01C19/40
A	GB 1 132 240 A (G WERKE GMBH AB) 30 October 1968 (1968-10-30) * page 2, line 85 - line 98; figures * -----	2,5,6,8, 10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E01C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 July 2003	Examiner Movadat, R
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 00 5497

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17-07-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0493664 A	08-07-1992	DE 4040029 C1	23-04-1992
		AT 108844 T	15-08-1994
		DE 59102260 D1	25-08-1994
		EP 0493664 A1	08-07-1992
		ES 2056556 T3	01-10-1994
		JP 2060236 C	10-06-1996
		JP 4272304 A	29-09-1992
		JP 7099004 B	25-10-1995
GB 1132240 A	30-10-1968	DE 1459670 A1	21-11-1968
		AT 266906 B	10-12-1968
		BE 672773 A	16-03-1966
		CH 432570 A	31-03-1967
		DK 117641 B	19-05-1970
		FI 52369 B	02-05-1977
		NL 6514861 A	27-05-1966
		SE 307801 B	20-01-1969

EPO FORM P0459

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