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(54) Title: METHOD FOR PRODUCING BITUMINOUS PAVING COMPOSITIONS

(57) Abstract: A bituminous composition with improved paving performance, comprising a high-concentration-emulsifier bituminous emulsion is disclosed. The high-concentration-emulsifier bitumen emulsion has a higher content of surfactant than the conventional bitumen emulsion, thus facilitating the use of low levels of emulsion in the finished bituminous paving composition. Additionally, the high-concentration-emulsifier bitumen emulsion has superior surfactant dispersion property compared to the inverted bitumen dispersion, thereby enhancing the mixing and coating performance of the bituminous composition. The disclosed bituminous compositions may be used in a pavement construction at a much lower temperatures range compared to the conventional hot-mix bituminous composition, yet it develops adhesive strength and load-bearing strength properties at rates comparable to those of hot mix bituminous paving compositions.

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2010/024538

**A. CLASSIFICATION OF SUBJECT MATTER**

INV. C08L95/00  
ADD.

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)  
C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 582 639 A (HOVE LEO [DK]) 10 December 1996 (1996-12-10)	1-28
Y	example 1 claim 1	1-28
X	US 2008/060551 A1 (CREWS EVERETT [US] ET AL) 13 March 2008 (2008-03-13) cited in the application	1-11
Y	claim 1; examples	1-28

Further documents are listed in the continuation of Box C.

See patent family annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
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