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(54) **Method and device for producing asphalt mix**

(57) The invention refers to a method for producing an asphalt mix that includes a coarse fraction, a fine fraction, filler and a bituminous liquid with the following steps in the mentioned order:

- mixing the coarse fraction and the bituminous liquid in a mixer,
- discharging the filler to be spread over the coarse fraction and the bituminous liquid and
- discharging the fine fraction over the filler and mixing,
- discharging the ready mix from the mixer,

wherein the discharge of the fractions are optimized so that the mix behaves like a liquid in a test where a deformation of a specimen of the mix depending from the temperature of the specimen is measured, as known from EP 0 756 615 B1.

For increasing the viscous resource in batch plant mixed asphalt pavings, the invention teaches that, for conducting step a), the coarse fraction and the liquid binder are discharged and mixed simultaneously over a first time period. Further, devices for carrying out such method are described.

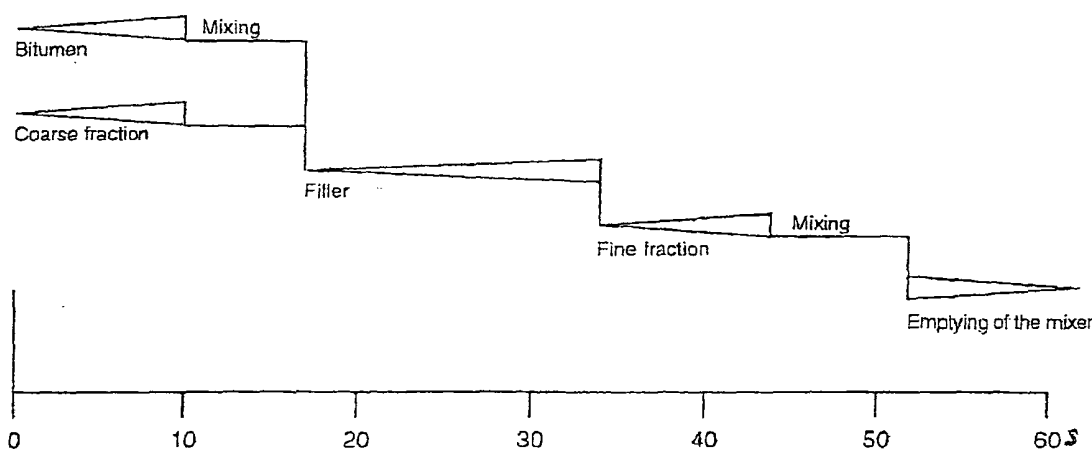


Figure 3 Example of mixing time schedule used by the invention



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 05 00 8075

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D,Y	EP 0 756 615 B1 (OHLSON KARL GUNNAR [SE]) 28 February 2001 (2001-02-28) * claim 1 *	1-11	INV. E01C19/10
Y	GB 1 101 264 A (IND ASPHALT INC) 31 January 1968 (1968-01-31) * page 6, line 78 - line 80; figures *	1-11	
D,A	WO 83/00700 A (OHLSON KARL GUNNAR [SE]) 3 March 1983 (1983-03-03) * the whole document *	1	
D,P, Y	EP 1 408 157 A2 (OHLSON KARL GUNNAR [SE]) 14 April 2004 (2004-04-14) * the whole document *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			E01C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 5 October 2006	Examiner Movadat, Robin
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 00 8075

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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05-10-2006

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0756615	B1	28-02-2001	DE	69520207 D1	05-04-2001
			DE	69520207 T2	13-06-2001
			DK	756615 T3	30-04-2001
			EP	0756615 A1	05-02-1997
			NO	964353 A	21-10-1996
			SE	506581 C2	12-01-1998
			SE	9401382 A	20-10-1995
			WO	9528457 A1	26-10-1995
-----					
GB 1101264	A	31-01-1968	US	3394094 A	23-07-1968
-----					
WO 8300700	A	03-03-1983	DE	3265423 D1	19-09-1985
			DK	171083 A	19-04-1983
			EP	0073181 A2	02-03-1983
			US	4579458 A	01-04-1986
-----					
EP 1408157	A2	14-04-2004	SE	525421 C2	15-02-2005
			SE	0203057 A	12-04-2004
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