

# Europäisches Patentamt European Patent Office Office européen des brevets



(11) **EP 1 431 014 A3** 

(12)

### **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: **21.09.2005 Bulletin 2005/38** 

(51) Int CI.<sup>7</sup>: **B28B 3/10**, B28B 3/06, E01C 5/06

(43) Date of publication A2: 23.06.2004 Bulletin 2004/26

(21) Application number: 03028791.6

(22) Date of filing: 13.12.2003

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR
Designated Extension States:

AL LT LV MK

(30) Priority: 20.12.2002 IT PD20020329

(71) Applicant: Valle Francesco S.r.L. 36027 Rosà (VI) (IT)

(72) Inventor: Valle, Fabio 36027 Rosà (VI) (IT)

(74) Representative: Gustorf, Gerhard Patentanwalt,
Bachstrasse 6 A
84036 Landshut (DE)

## (54) Process for manufacturing modular refracting elements and modular refracting elements obtained therefrom

(57) The invention concerns a new process for carrying out modular refracting elements to be inserted in the road surface, constituted by a body in cement mix, to which a refracting layer made of binder, agglomerate and glass or ceramic coated microspheres is applied, as well as the modular refracting element obtained

therefrom. The new modular refracting element is obtained by introducing into apposite moulds a quantity of cement mix slightly smaller than the quantity needed to fill each mould completely. A new layer made up of binder, agglomerate and microspheres is laid on the upper surface of this body and successively compressed onto the same.

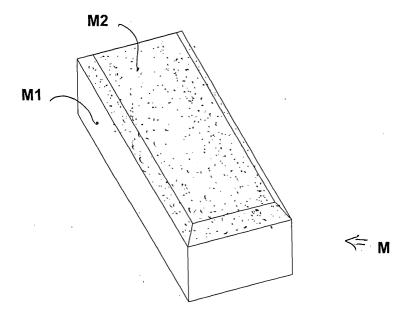


Fig. 1



## **EUROPEAN SEARCH REPORT**

Application Number EP 03 02 8791

Category	Citation of document with indic		Relevant	CLASSIFICATION OF THE	
Jalegury	of relevant passages		to claim	APPLICATION (Int.CI.7)	
X	JP 62 282906 A (YAMAZ 8 December 1987 (1987 * the whole document	-12-08)	1-7	B28B3/10 B28B3/06 E01C5/06	
X	WO 98/22269 A (LAZAR, SENG) 28 May 1998 (19 * page 6, line 1 - li figures * * column 4, line 15 -	ne 22; claims 1-8;	3-7		
X	DE 24 57 766 A1 (MONT 10 June 1976 (1976-06 * page 3, paragraph 4 1; figure *	-10)	4-7,9		
X	J LOACH LIMITED) 7 August 1996 (1996-0	LOACH LIMITED; * S & 8-07) lage 6, line 9; figure	4-8		
	-			TECHNICAL FIELDS SEARCHED (Int.CI.7)	
				B28B	
				E01F E01C	
	The present search report has bee	·			
	Place of search	Date of completion of the search		Examiner	
	The Hague	29 July 2005	0ri	j, J	
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		E : earlier patent doo after the filing date D : document cited in L : document cited fo	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 oited for other reasons		
	-written disclosure rmediate document	& : member of the sa			

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

EP 03 02 8791

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-07-2005

FORM P0459

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