



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
17.03.2004 Bulletin 2004/12

(51) Int Cl.7: **E04B 1/84, E01F 8/00**

(43) Date of publication A2:
10.09.2003 Bulletin 2003/37

(21) Application number: **03075569.8**

(22) Date of filing: **26.02.2003**

(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 SE SI SK TR
Designated Extension States:
AL LT LV MK RO

(72) Inventor: **Teobaldelli, Angelo**
62029 Tolentino (IT)

(74) Representative: **De Gregori, Antonella**
Ing. Barzano & Zanardo Milano S.p.A.
Via Borgonuovo 10
20121 Milano (IT)

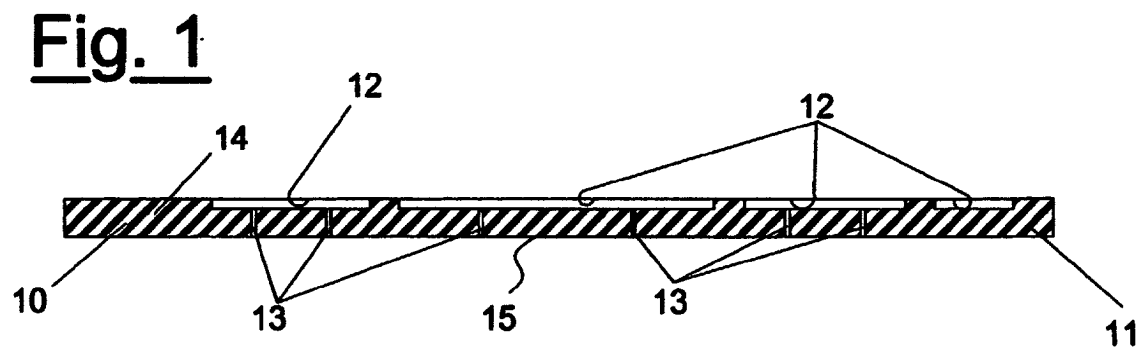
(30) Priority: **28.02.2002 IT MI20020409**

(71) Applicant: **Isopol S.r.l.**
20045 Besana Brianza (Milan) (IT)

(54) **Coating element with high sound-absorbing properties**

(57) An element (10) with high sound-absorbing properties, comprising at least one layer (11) made up of thermosetting and/or thermoplastic and/or expanded polymers, which, by their intrinsic nature, do not have a

substantial sound-absorbency coefficient in the spectrum of audible frequencies; the special constructive geometry of the element (10) allow high sound-absorbency values to be attained for all of the spectrum of frequencies with a low thickness.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 07 5569

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	US 3 770 560 A (ELDER G ET AL) 6 November 1973 (1973-11-06)	1-6,8,12	E04B1/84E01F8/00 E04B1/86
Y	* column 1, line 11-36 * * column 1, line 50 - column 2, line 5 * * column 2, line 45-48 * * column 3, line 24-29 * * column 3, line 66 - column 4, line 25 * * column 4, line 65 - column 6, line 17; figures *	7,10	
X	--- EP 0 945 547 A (RATH JOHANN ;BAUMGARTEN KARL (DE)) 29 September 1999 (1999-09-29) * paragraphs [0016],[0023],[0030],[0031]; figures 1A,1B *	1,2,4,5	
X	--- GB 890 506 A (BRUNO JABLONSKY) 28 February 1962 (1962-02-28) * page 1, line 8-23 * * page 1, line 68-71 * * figures *	1,2	
Y	--- GB 983 445 A (PORON INSULATION LTD) 17 February 1965 (1965-02-17) * page 1, line 8-75; claim 5; figures *	7,10	TECHNICAL FIELDS SEARCHED (Int.Cl.7) E04B
A	--- US 3 174 580 A (SCHULZ CARL G ET AL) 23 March 1965 (1965-03-23) * column 4, line 56-58; figures *	1,9	
A	--- US 6 305 494 B1 (KOECK GERHARD ET AL) 23 October 2001 (2001-10-23) * column 3, line 16-18; figures *	1	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 26 January 2004	Examiner Stern, C
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			

EPO FORM 1503 03 82 (P04C01)

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

EP 03 07 5569

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.

26-01-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3770560	A	06-11-1973	NONE	
EP 0945547	A	29-09-1999	DE 19812481 A1	30-09-1999
			WO 9949134 A1	30-09-1999
			EP 0945547 A1	29-09-1999
GB 890506	A	28-02-1962	NONE	
GB 983445	A	17-02-1965	NONE	
US 3174580	A	23-03-1965	NONE	
US 6305494	B1	23-10-2001	DE 29617845 U1	12-02-1998
			AT 230887 T	15-01-2003
			CZ 9901322 A3	17-11-1999
			DE 59709111 D1	13-02-2003
			WO 9816915 A1	23-04-1998
			EP 0931309 A1	28-07-1999
			ES 2185987 T3	01-05-2003
			HU 0001117 A2	28-08-2000
			JP 2001507470 T	05-06-2001
			KR 2000049116 A	25-07-2000
			PL 332825 A1	11-10-1999
			PT 931309 T	30-04-2003
			DE 59705765 D1	24-01-2002
			EP 0855973 A1	05-08-1998