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(54) **Infrared illuminant.**

(57) An infrared illuminant composition and flares produced therefrom having increased burn rate and increased infrared intensity while maintaining low visible light intensity. The composition comprises potassium nitrate, cesium nitrate, hexamine, boron, silicon, ferric oxide and a binder. A process to produce infrared illuminant flares prevents or substantially eliminates chunking out of burning pieces of the illuminant at pressing increments in the flares. A multi-stepped pressing foot (10) is used for pressing the composition in the case.

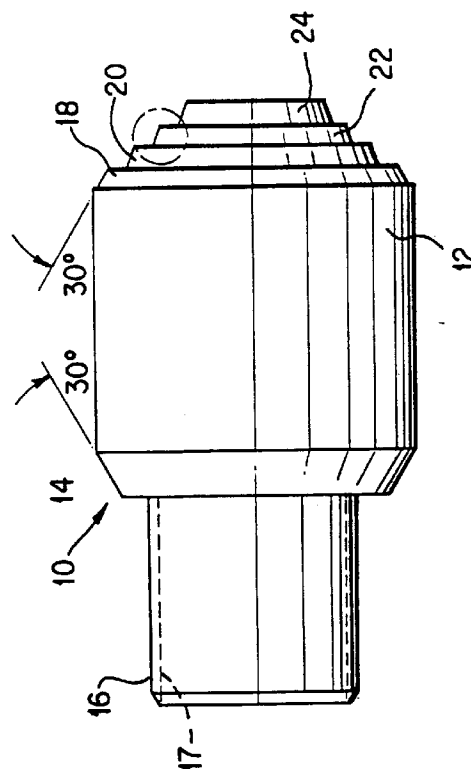


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 4243

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.5)
X	US-A-3 733 223 (C.W. LOHKAMP)	1	C06C15/00
Y	* the whole document *	11	C06B33/04
A	---	2-9	F42B4/26
Y	GB-A-1 277 528 (THIOL CHEMICAL CORPORATION)	10-12	
A	* page 5, line 4 - line 19; claims; table 2 *	4,7,8	

A	FR-A-2 316 204 (SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS ET AL.)	2	
	* page 3, line 23 - line 29; claim 1 *		

A	GB-A-2 176 178 (E.I. DU PONT DE NEMOURS AND COMPANY)	2	
	* page 4, line 83 - page 5, line 30 *		

Y	US-A-2 373 799 (F.C. WILSON)	10-12	
	* column 1, line 51 - column 2, line 28; figure 4 *		

A	DE-C-840 049 (E. ALBERS-SCHÖNBERG)	10	
	* claims *		

A	DE-A-3 506 222 (MESSERSCHMITT-BÖLKOW-BLOHM GMBH)		

A	DE-C-291 891 (PETUEDSCHE TERRAIN-GESELLSCHAFT ACT.-GES. MÜNCHEN-RIESENFELD)		

A	FR-A-2 346 634 (DYNAMIT NOBEL AKTIENGESELLSCHAFT)		
	)		

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 JANUARY 1992	Examiner SCHUT R.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 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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