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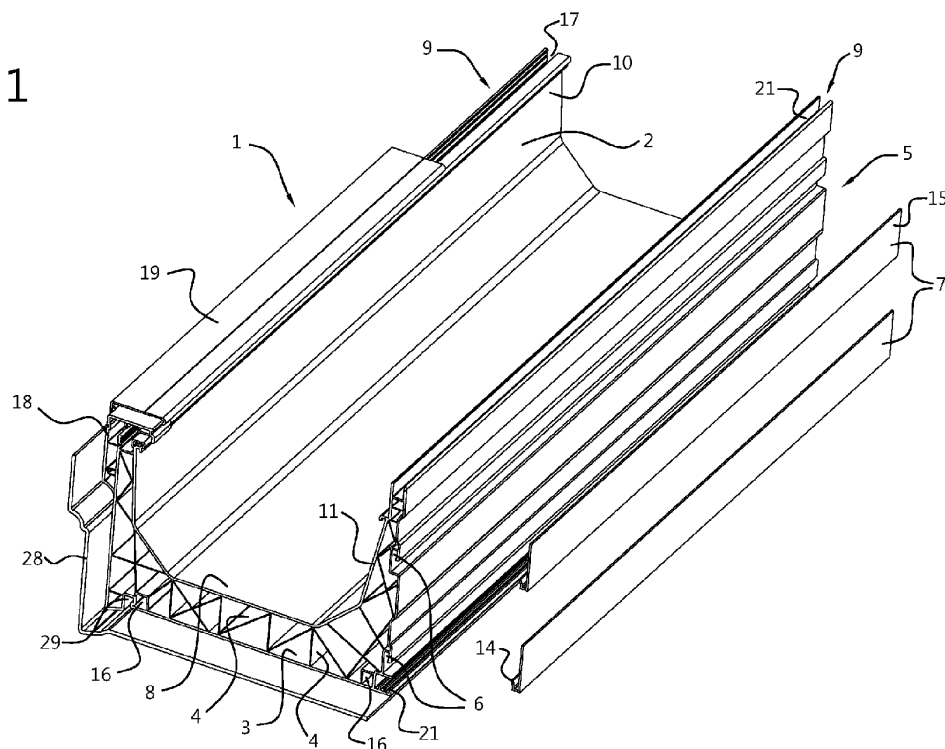
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(54) **GUTTER**

(57) The invention provides a gutter assembly, comprising a gutter which is double walled, and comprises an inner wall and an outer wall and ribs connecting said inner wall and outer wall, providing a functionally self sup-

porting gutter, said ribs comprising slanted ribs connecting the inner wall and outer wall, wherein the gutter has a thickness of the inner wall and outer wall of 1-4 mm.

Fig. 1





EUROPEAN SEARCH REPORT

Application Number

EP 21 20 3043

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	NL 9 202 157 A (UBBINK NEDERLAND BV) 1 July 1994 (1994-07-01) * page 4; claims 4-5; figure 1 * -----	1-6, 9, 14	INV. E04D13/068 E04D13/072
X	EP 0 971 083 A2 (UBBINK NEDERLAND BV [NL]) 12 January 2000 (2000-01-12) * figures 8a, 8b * -----	1, 6-8, 14	ADD. E04D13/064
A	DE 92 07 858 U1 (SCHULTZ GÜNTER) 10 September 1992 (1992-09-10) * figures 2-3 * -----	8	
A	US 4 727 689 A (BOSLER KENNETH D [US]) 1 March 1988 (1988-03-01) * figure 2 * -----	8	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04D G05D G01F E03F A01G
The present search report has been drawn up for all claims			

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EPO FORM 1503 03.82 (P04C01)

Place of search	Date of completion of the search	Examiner
The Hague	8 February 2022	Leroux, Corentine
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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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-9, 14

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9, 14**reinforce the gutter double-walled structure**
---**2. claims: 10-13****coupling ends of gutter portions together**

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

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5 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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08-02-2022

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
NL 9202157 A	01-07-1994	NONE	
EP 0971083 A2	12-01-2000	DE 69914541 T2 EP 0971083 A2	16-12-2004 12-01-2000
DE 9207858 U1	10-09-1992	NONE	
US 4727689 A	01-03-1988	NONE	