(54)   **TRUSS FOR MIXED STEEL-CONCRETE TRUSS SYSTEMS WITH OPTIMIZED UPPER
STRINGER**

(57)   Truss (100) comprising
- at least a lower stringer (111),
- at least an upper continuous stringer (110) with length
equal to the whole length of the truss,
- a plurality of cores (112) connecting said lower (111)
and upper stringers, said cores (112) being connected
to the upper stringers at well defined geometrical inter-
vals, with a constant pitch (p) along the development of

the truss,
characterized in that it comprises further, at the two ends
of its own longitudinal development, additional upper
stringers (114), integrally connected to said cores (112),
the length of said additional upper stringers (114) being
equal to a multiple of said pitch (p) and lower than the
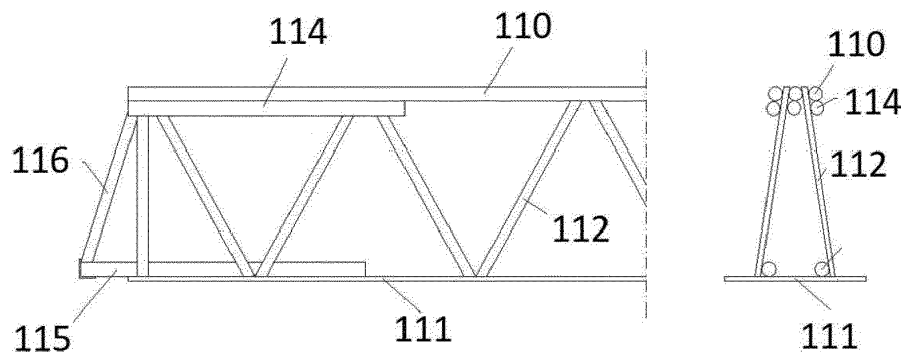length of said truss.

Fig. 3

EP 3 851 605 A3

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PARTIAL EUROPEAN SEARCH REPORT

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

Application Number

EP 20 21 6330

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,D	EP 2 048 301 A2 (PROGRESS MASCHINEN & AUTOMATIO [IT]) 15 April 2009 (2009-04-15) * paragraphs [0014] - [0016]; figures 1a, 1b *	1,4	INV. E04C3/08 E04C5/065 E04C3/294
X,D	EP 0 339 018 A1 (FER FERTIGTEIL ENTWICKLUNGS RI [AT]) 25 October 1989 (1989-10-25) * column 3, lines 18-60; figures 1-4 *	1,3,5	
X	BE 385 307 A (P.L. DELATTRE) 30 December 1931 (1931-12-30) * page 4, paragraph 2; figures 2, 3, 22-24 *	1,2,4	
A	EP 2 586 924 A1 (METALRI SNC [IT]) 1 May 2013 (2013-05-01) * figures 3-5 *	1-5	

TECHNICAL FIELDS
SEARCHED (IPC)

E04C

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do
not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

Place of search	Date of completion of the search	Examiner
Munich	30 August 2021	Vratsanou, Violandi

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 (P04E07)

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**INCOMPLETE SEARCH
SHEET C**

Claim(s) completely searchable:
        1-5

Claim(s) not searched:
        6, 7

Reason for the limitation of the search (non-patentable invention(s)):

Both independent claims 6-7 relate to a mathematical method for dimensioning the claimed reticular beam. However, such mathematical methods are not patentable.

Further limitation of the search

Claim(s) completely searchable:
        1-5

Claim(s) not searched:
        6, 7

Reason for the limitation of the search:

Article 52 (2)(a) EPC - Mathematical method

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

EP 20 21 6330

30-08-2021

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			EP	2048301 A2	15-04-2009
EP 0339018	A1	25-10-1989	EP	0339018 A1	25-10-1989
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BE 385307	A	30-12-1931	NONE		
EP 2586924	A1	01-05-2013	NONE		

EPO FORM P0459

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