Title (en)

METHOD FOR CONNECTING PRECAST SEGMENTS TENDON DUCTS AND RESULTING STRUCTURE

Title (de)

VERFAHREN ZUM VERBINDEN VON SPANNGLIEDERN VON VORGEFERTIGTEN SEGMENTEN UND RESULTIERENDE STRUKTUR

Title (fr)

PROCÉDÉ DE RACCORDEMENT DE CONDUITS DE TENDON DE SEGMENTS PRÉFABRIQUÉS ET STRUCTURE RÉSULTANTE

Publication

EP 3543418 A1 20190925 (EN)

Application

EP 18305330 A 20180323

Priority

EP 18305330 A 20180323

Abstract (en)

A method for establishing an air-tight connection between post-tensioning tendon ducts (20) of two consecutive precast segments (10) of a structure, each segment (10) being cast with a recess (40) opening out on a jointing face (14;15) of the segment leaving an access to ends of the ducts (20), the method comprising:c) Connecting pairs of respective duct ends (20) of the two consecutive segments (10) together, andd) pouring a sealing material into the recesses (40) of the two consecutive segments around the duct ends (20) while preventing the material to enter the internal space of the ducts, thus forming an air-tight connection at the junction of ducts.

IPC 8 full level

E04C 5/10 (2006.01); **E01D 19/16** (2006.01)

CPC (source: EP US)

E01D 2/04 (2013.01 - EP US); **E04C 5/10** (2013.01 - EP US); E01D 2101/28 (2013.01 - EP US); E04G 21/12 (2013.01 - US)

Citation (applicant)

- EP 2596439 A1 20130529 - HEWLETT PACKARD DEVELOPMENT CO [US]
- WO 9943910 A1 19990902 - FREYSSINET INT STUP [FR], et al

Citation (search report)

- [X] US 2010088985 A1 20100415 - MELLIER ERIK [FR], et al
- [XY] DE 1248269 B 19670824 - HOCHTIEF AG HOCH TIEFBAUTEN
- [Y] JP 2017078268 A 20170427 - KAJIMA CORP
- [X] JP H07127304 A 19950516 - HATSUMI SANGYO KK, et al
- [X] EP 0348870 A1 19900103 - ZAPF WERNER
- [X] DE 1559491 B1 19700604 - CHRISTMANN WALTER DIPL ING [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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