

Title (en)
PRODUCTION EQUIPMENT FOR PRODUCTION OF CAPROLACTONE

Title (de)
HERSTELLUNGSAUSRÜSTUNG ZUR HERSTELLUNG VON CAPROLACTON

Title (fr)
ÉQUIPEMENT DE PRODUCTION SERVANT À PRODUIRE UNE CAPROLACTONE

Publication
EP 3426645 A4 20190814 (EN)

Application
EP 17763648 A 20170303

Priority
• GB 201604114 A 20160309
• SE 2017000018 W 20170303

Abstract (en)
[origin: GB2548138A] A reactor for producing caprolactone comprising reaction of peracetic acid (also known as ethaneperoxoic acid, peroxyacetic acid, acetic peroxide, acetyl hydroperoxide, proxitane) and cyclohexanone, is preferably split into a first section wherein peracetic acid is produced, a second section wherein caprolactone is produced and a third section wherein yielded caprolactone product is purified.

IPC 8 full level
C07B 41/12 (2006.01); **C07B 61/00** (2006.01); **C07B 63/00** (2006.01); **C07D 313/04** (2006.01); **C07D 315/00** (2006.01)

CPC (source: EP GB)
B01J 19/18 (2013.01 - EP); **B01J 19/24** (2013.01 - EP); **B01J 19/242** (2013.01 - EP GB); **C07D 313/04** (2013.01 - GB); **B01J 19/243** (2013.01 - EP); **B01J 2219/00006** (2013.01 - EP); **B01J 2219/0004** (2013.01 - EP); **B01J 2219/00101** (2013.01 - EP); **B01J 2219/0011** (2013.01 - EP)

Citation (search report)
• [I] US 3766212 A 19731016 - WALDMANN H, et al
• [I] US 3625975 A 19711207 - CRAMPTON CLIFFORD A, et al
• [I] US 4994583 A 19910219 - PRALUS MICHELE [FR], et al
• [I] EP 1004576 A1 20000531 - SOLVAY [BE]
• [IY] CN 103539770 A 20140129 - UNIV CHANGZHOU
• [Y] US 2008275132 A1 20081106 - MCSHERRY DAVID D [US], et al
• [Y] US 2006173209 A1 20060803 - VINEYARD MARK K [US], et al
• [Y] US 4341709 A 19820727 - HOFEN WILLI, et al
• [Y] JP S5742684 A 19820310 - DAICEL LTD
• See references of WO 2017155441A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
GB 201604114 D0 20160420; GB 2548138 A 20170913; EP 3426645 A1 20190116; EP 3426645 A4 20190814; WO 2017155441 A1 20170914

DOCDB simple family (application)
GB 201604114 A 20160309; EP 17763648 A 20170303; SE 2017000018 W 20170303