

# Ansys, Inc. Patent Notice

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PRODUCT(S)	PATENT(S)
Ansys Mechanical Ansys LS-DYNA Ansys Additive Solutions Ansys Motion Ansys Sherlock	12147741, 12079554, 12073513, 12039237, 11979174, 11954412, 11867581, 11797731, 11797728, 11797727, 11775712, 11775710, 11763524, 11756266, 11720726, 11669655, 11663373, 11605199, 11580279, 11403445, 11386249, 11347911, 11321216, 11302075, 11282274, 11256239, 11244095, 11238195, 11188690, 11176739, 11170145, 11127207, 11120180, 11074763, 11017133, 10977399, 10963607, 10867442, 10832474, 10786849, 10699042, 10678965, 10664560, 10579039, 10573070, 10474773, 10467359, 10452796, 10423737, 10330645, 10311181, 10303822, 9910942, 9910939, 9852235, 9824493, 9817926, 9798841, 9715571, 9639638, 9607115, 9542925, 9507892, 9430594, 9405868, 9292632, 9286422, 9135377, 9117042, 9098657, 9020784, 8898042, 8855977, 8855976, 8798973, 8768660, 8744825, 8666719, 8612186, 8577656, 8521484, 8515714, 8494819, 8489372, 8467997, 8423327, 8374833, 8306793, 8296109, 8271237, 8209157, 8200464, 8200458, 8190408, 8180605, 8165856, 8150668, 8126684, 8069017, 8050897, 7996344, 7987143, 7953578, 7945432, 7702494, 7702490, 7664623, 7660480, 7657394, 7613585, 7590514, 7533577, 7516053, 7499050, 7472602, 7428713, 7392163, 7386428, 7386425, 7382367, 7308387, 7689945
Ansys Redhawk-SC Ansys Redhawk-SC Electrothermal Ansys Redhawk-SC Security Ansys Totem-SC Ansys Pathfinder-SC Ansys Exalto	12135929, 12073160, 11995187, 11973868, 11934760, 11914931, 11880456, 11853661, 11836431, 11797744, 11741283, 11709983, 11663388, 11599698, 11599633, 11556685, 11544434, 11544433, 11531794, 11520960, 11455442, 11409932, 11366947, 11361124, 11354475, 11321513, 11301608, 11288421, 11216607, 11210444, 11176295, 11144688, 11042681, 10990731, 10970437, 10872185, 10860761, 10839123, 10817631, 10803218, 10783296, 10762259, 10726190, 10671787, 10628543, 10599799, 10599798, 10592634, 10579757, 10417365, 10371583, 10274533, 10262094, 10181004, 10157256, 10133839, 10083267, 10013522, 9959377, 9892227, 9858369, 9824165, 9740810, 9672318, 9286427, 9245071, 9223912, 9171118, 9053278, 9032355, 8769447, 8516423, 8250506, 7793243, 7752578, 7750680, 7594210, 7590962, 7509613, 7323909, 7231618, 7222318, 7178125
Ansys Electronics Desktop Ansys HFSS Ansys Maxwell Ansys SIwave Ansys Q3D Extractor	12136716, 12039238, 12001760, 11875097, 11867834, 11797730, 11764419, 11699008, 11635616, 11574082, 11567171, 11537771, 11354483, 11314305, 11313949, 11288339, 11256841, 11250195, 11210440, 11080103, 11035931, 10990713, 10984163, 10830836, 10565325, 10545061, 10460007, 10423738, 10409358, 10380290, 10345398, 10311177, 10282498, 10210290, 10191787, 10121279,

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Ansys Discovery Ansys SpaceClaim	12086939, 12056420, D916100, D916099, 11698779, 11640485, 11586788, 11532171, 11475184, 11449202, 11269478, 11163922, 10769850, 10706623, 10650172, 10515160, 10475227, 10331812, 10083264, 10002164, 8330775, 8253726, 8244508, 8207990, 7969435, 7830377, 7733340, 7639267
Ansys STK Ansys ODTK	10558320, 10551994, 10540189, 10293959, 8718920, 8494688, 8433544, 8275498, 8221122, 8041509, 7928980, 7609907, 7423583, 7383153, 7224311, 7050002
Ansys Fluent Ansys CFX Ansys Thermal Desktop	12094059, 11995882, 11954412, 11763524, 11756266, 11605199, 11302075, 11282274, 11176739, 11170573, 11074763, 10867442, 10832474, 10803661, 10573070, 10565327, 10553304, 10515161, 10437941, 10354027, 9824493, 9208269, 9183328, 9135379, 9046266
Ansys Cloud Direct Ansys Gateway powered by AWS Ansys STK Cloud	12001883, 11979174, 11922314, 11714680, 11669656, 11210138
Ansys Zemax OpticStudio Ansys Speos Ansys Lumerical FDTD	11960809, 11635616, 11537771, 11256841, 11188693, 10095816, 9208603
Ansys Twin Builder	11941375, 11887737, 11764419, 11409923, 11163540, 11080103, 10191787, 9984190